

April 25, 2006

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 7-19-9-16, 10-19-9-16, 11-19-9-16, 14-19-9-16, 15-19-9-16, 16-19-9-16, 15-21-9-16, 16-21-9-16, 10-22-9-16, and 15-22-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells The proposed 11-19-9-16, 14-19-9-16, 10-22-9-16, and 15-22-9-16 are all Exception Locations. Our Land Department will send you the required Exception Location Letters. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier

Regulatory Specialist

mc

enclosures

RECEIVED
APR 2 6 2006

DIV. OF OIL, GAS & MINING

Form 3160-3 (September 2001)			FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004			
UNITED STATES DEPARTMENT OF THE IN BUREAU OF LAND MANAG	5. Lease Serial No. UTU-74391					
		EENTED		6. If Indian, Allottee	or Tribe Na	ime
APPLICATION FOR PERMIT TO DR	ILL OK K	CENIER		N/A		•
la. Type of Work: DRILL REENTER	7. If Unit or CA Agreement, Name and No. N/A					
1b. Type of Well: A Oil Well Gas Well Other	× s	ingle Zone 🔲 Multi	ple Zone	8. Lease Name and W Federal 15-19		
2. Name of Operator Newfield Production Company						3162
3a. Address	3b. Phone N	o. (include area code)		10. Field and Pool, or E	Exploratory	
Route #3 Box 3630, Myton UT 84052	(435) 646	-3721		Monument But		
4. Location of Well (Report location clearly and in accordance with a At surface SW/SE 711' FSL 1888' FEL 57/809 X At proposed prod. zone 4429/128	40	irements.*) , 01119	-	11. Sec., T., R., M., or SW/SE Sec. 19	Blk. and Su 9, T 9S R10	
14. Distance in miles and direction from nearest town or post office*				12. County or Parish	1	3. State
Approximatley 14.5 miles southwest of Myton, Utah				Duchesne		UT
15. Distance from proposed* location to nearest	16. No. of	Acres in lease	17. Spacin	ng Unit dedicated to this w	vell	
property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1929' f/lse, NA f/unit	2	139.50		40 Acres		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1399'		19. Proposed Depth 20. BLM 6030'		I/BIA Bond No. on file UTB000192		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approx	cimate date work will sta	ırt*	23. Estimated duration	1	
6218' GL	1	Quarter 2006	Approximately seven (7) days from spud to rig release.			
6210 GL	24. Att	achments				
The following, completed in accordance with the requirements of Onshor	e Oil and Ga	s Order No.1, shall be at	tached to thi	s form:		
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). 		4. Bond to cover t Item 20 above). 5. Operator certific	he operatio ation. specific inf	ns unless covered by an formation and/or plans as		
25. Signature	Nam	e (Printed Typed)		I	Date	
Mandie (serves	¦ Ma	ndie Crozier		<u> </u>	4/25/06	<u> </u>
Title Regulatory Specialist				,		
Approved by (Signature)	Nam	e (Printed/Typed)		1	Date	77 N
11 (LLL) . (11/-1) V	1	BRADI FY	G. HII	L	04	-C+U6
Title	Offi	···ENVIRONMENTA	L MANAG	ER		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

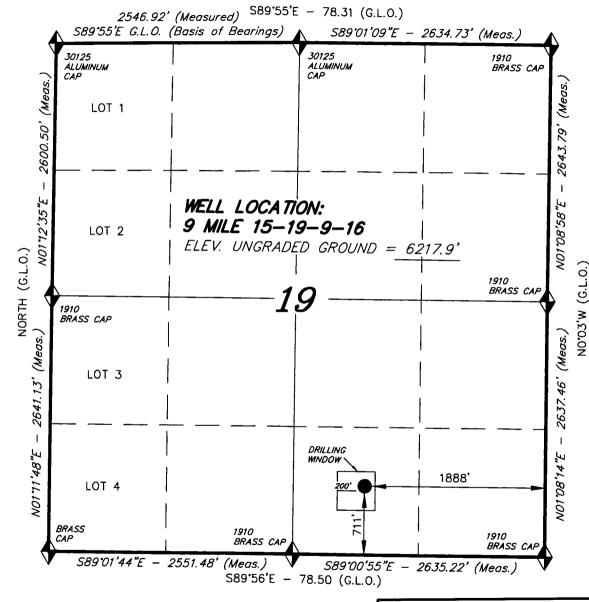
RECEIVED

APR 2 6 2006

Federal Approval of this Action is Necessary

DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.



= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE) 9 MILE 15-19-9-16 (Surface Location) NAD 83 LATITUDE = 40° 00' 40.01" LONGITUDE = 110° 09' 33.90"

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 15-19-9-16, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 19, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PER WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPPRISON AND THAT THE SAME ARE TRUE AND SORRECT TO THE BEST OF MY KNOWLEDGE AND SPLIEF. No. 189377

REGISTRATION NO. POSSESSION STATE OF STATE OF STATE OF

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

DATE SURVEYED: 4-3-06	SURVEYED BY: C.M.				
DATE DRAWN: 4-10-06	DRAWN BY: M.W.				
REVISED:	SCALE: 1" = 1000'				

NEWFIELD PRODUCTION COMPANY FEDERAL #15-19-9-16 SW/SE SECTION 19, T9S, R16E DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta 0' - 2320' Green River 2320' Wasatch 6030'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2320' - 6030' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY FEDERAL #15-19-9-16 SW/SE SECTION 19, T9S, R16E DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #15-19-9-16 located in the SW 1/4 SE 1/4 Section 19, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly -12.0 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly -0.4 miles \pm to it's junction with the beginning of the proposed access road; proceed along the proposed access road -0.5 miles \pm to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surface equipment will be painted Olive Black. Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. <u>SURFACE OWNERSHIP</u> - Bureau Of Land Management (Proposed location and access roads leading to).

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-225, 7/13/05. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #15-19-9-16 Newfield Production Company requests a 470' ROW be granted in Lease UTU-64379 and 2260' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed access road. Refer to Topographic Map "B". The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 470' ROW in Lease UTU-64379 and 2260' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests a 470' ROW in Lease UTU-64379 and 2260' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on May 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Reserve Pit Liner

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Western Wheatgrass

Pascopyrum Smithii

6 lbs/acre

Galletta Grass

Hilaria Jamesii

6 lbs/acre

Details of the On-Site Inspection

The proposed Federal #15-19-9-16 was on-sited on 3/17/06. The following were present; Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 30% open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name:

Shon Mckinnon

Address:

Route #3 Box 3630

Myton, UT 84052

Telephone:

(435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #15-19-9-16 SW/SE Section 19, Township 9S, Range 16E: Lease UTU-74391 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

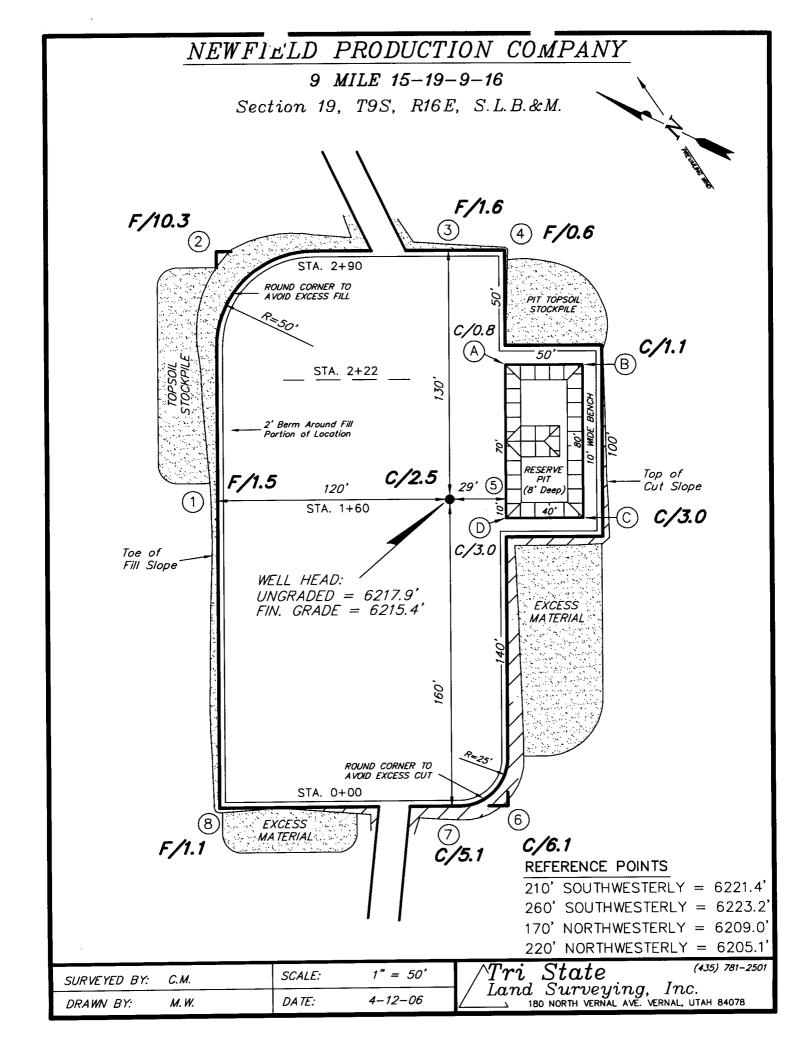
4/25/06

Date

Mandie Crozier

Regulatory Specialist

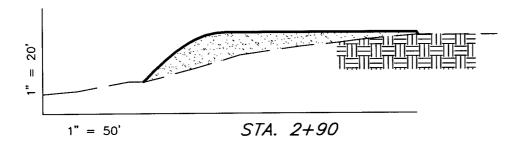
Newfield Production Company

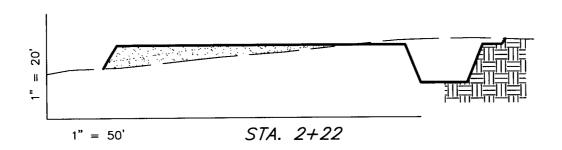


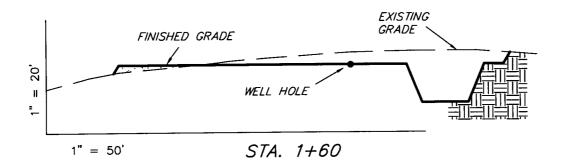
NEW FIELD PRODUCTION COMPANY

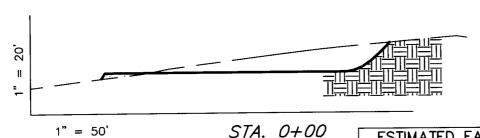
CROSS SECTIONS

9 MILE 15-19-9-16









NOTE: UNLESS OTHERWISE NOTED ALL CUT/FILL SLOPES ARE AT 1.5:1 (No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

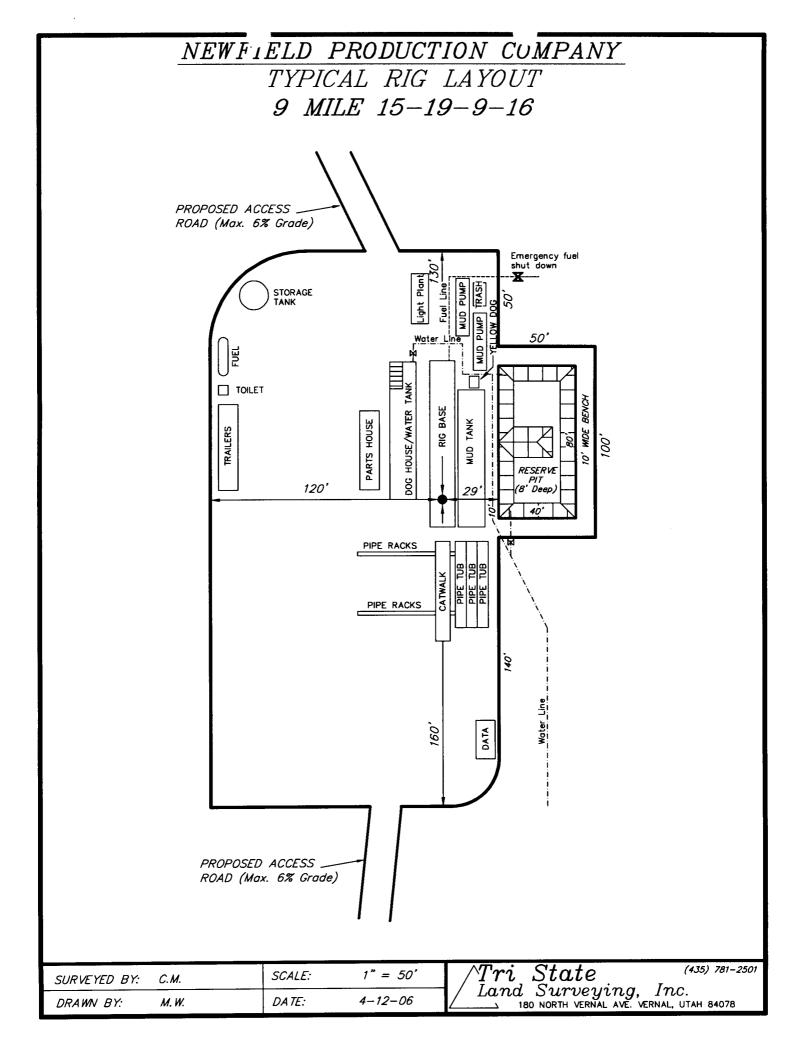
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,220	2,220	Topsoil is	0
PIT	640	0	in Pad Cut	640
TOTALS	2,860	2,220	970	640

SURVEYED BY:	C.M.	SCALE:	1" = 50'
DRAWN BY:	M. W.	DA TE:	4-12-06

Tri State (435) 781-2501

Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



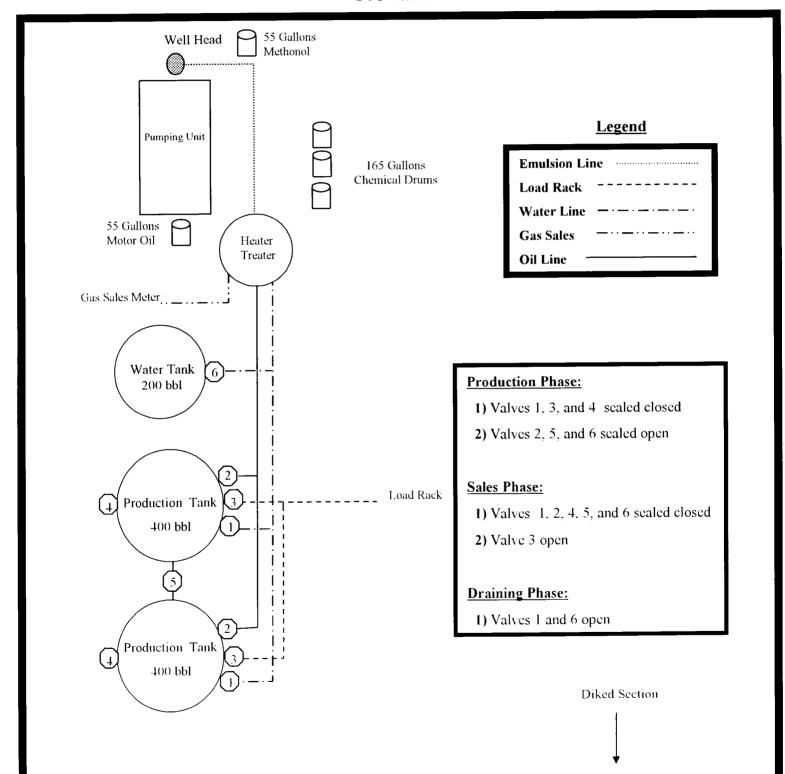
Newfield Production Company Proposed Site Facility Diagram

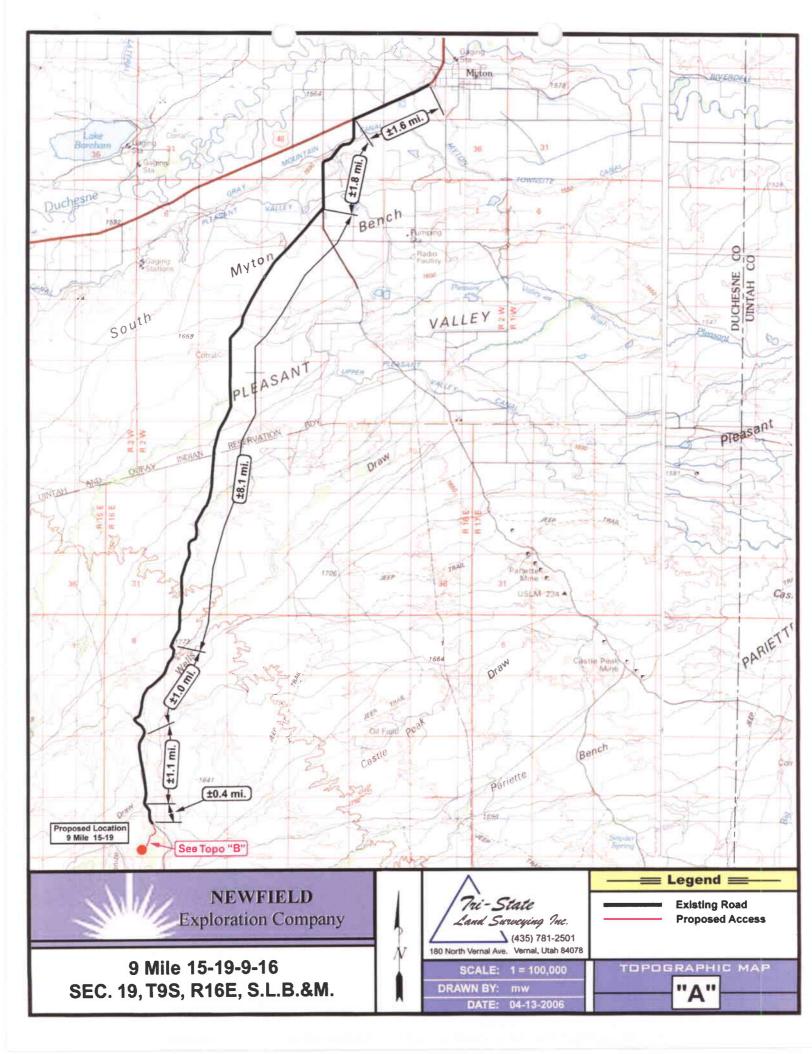
Federal 15-19-9-16

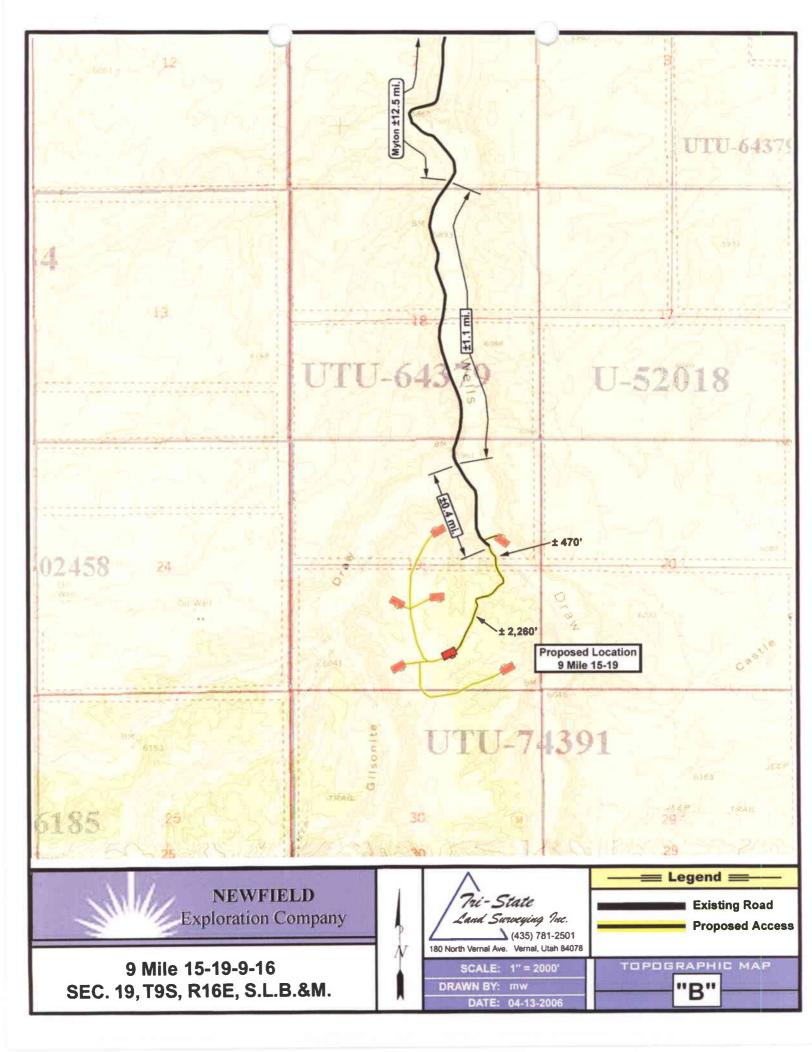
SW/SE Sec. 19, T9S, 16E

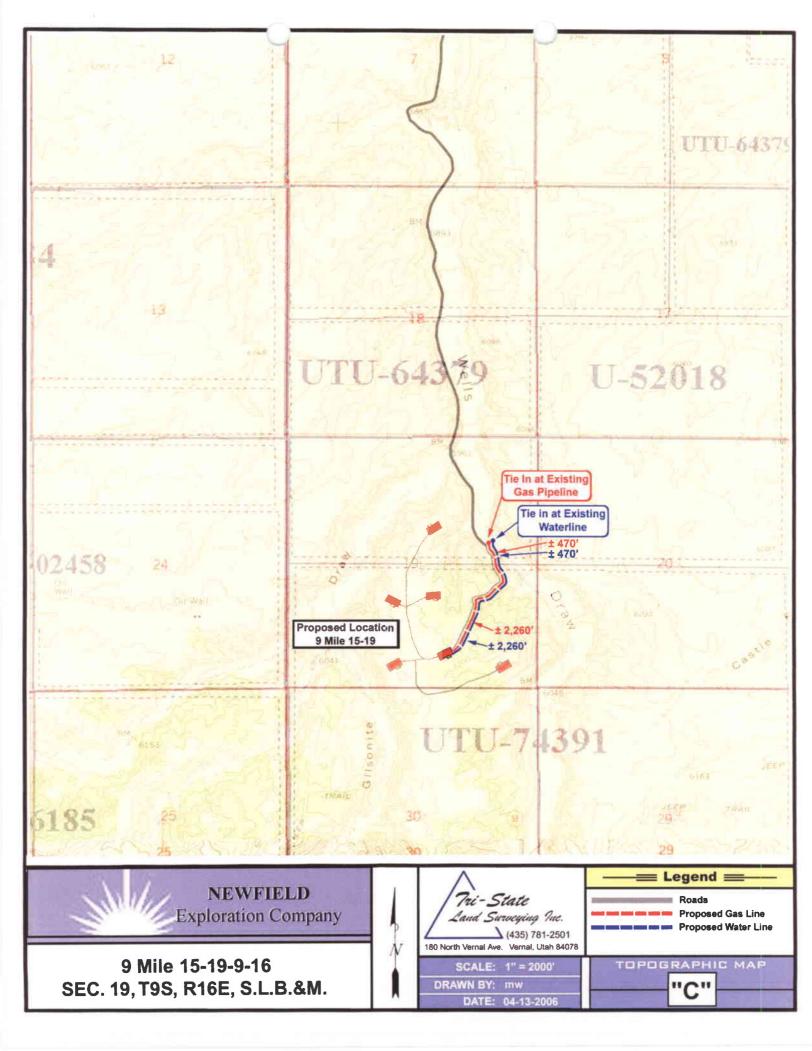
Duchesne County, Utah

UTU-74391

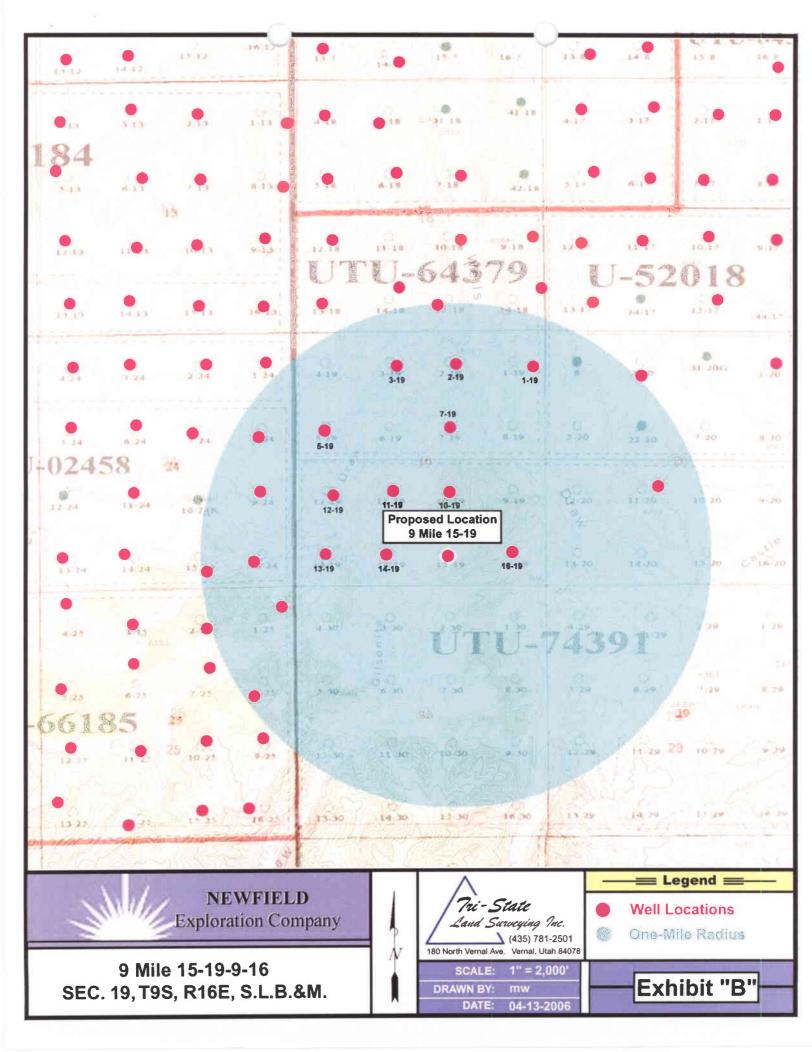








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2-M SYSTEM

Blowout Prevention Equipment Systems

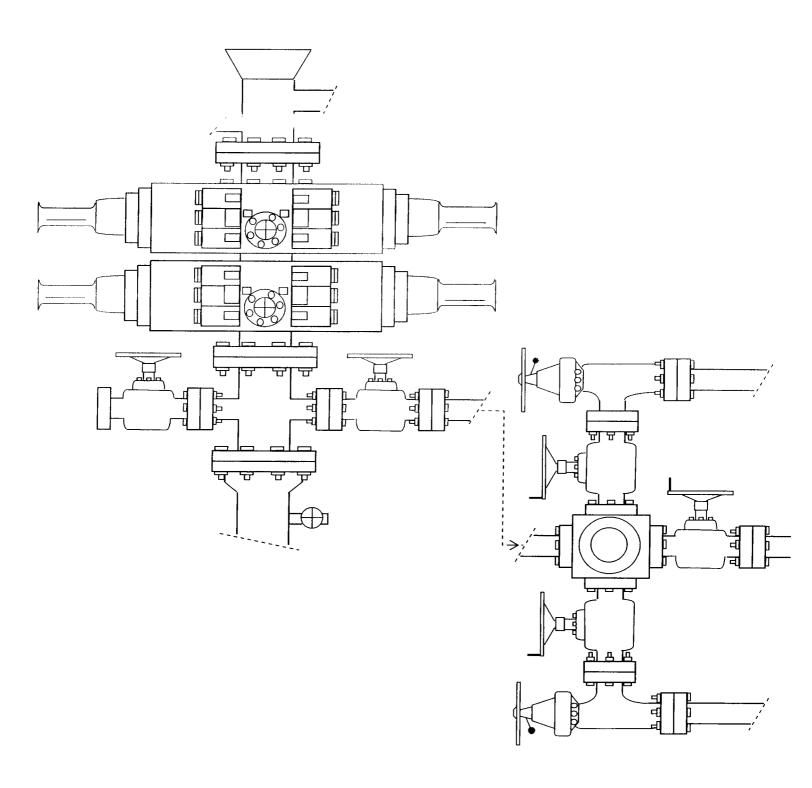


EXHIBIT C

Exhibit"D"

CULTURAL RESOURCE INVENTORY OF NEWFIELD EXPLORATION'S BLOCK PARCEL IN TOWNSHIP 9S, RANGE 16E, SECTION 19 AND 20, DUCHESNE COUNTY, UTAH

By:

Shari Maria Silverman

Prepared For:

Bureau fo Land Management Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company Rt. 3 Box 3630 Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc. P.O. Box 147 Moab, Utah 84532

MOAC Report No. 05-225

July 13, 2005

United States Department of Interior (FLPMA)
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-05-MQ-0668b

page 2 of 2

NEWFIELD PRODUCTION COMPANY

PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, DUCHESNE COUNTY, UTAH

Section 8, T 9 S, R 16 E [SW 1/4 & SE 1/4, NE 1/4; and SE 1/4]; Section 17, T 9 S, R 16 E [NE 1/4; NE 1/4, NW 1/4 & SW 1/4, SE 1/4; NE 1/4, NW 1/4, & SW 1/4, SW 1/4]; Section 19, T 9 S, R 16 E [entire section]; Section 20, T 9 S, R 16 E [excluding NW 1/4, NE 1/4; and NW 1/4 & SE 1/4, NW 1/4]; Section 21, T 9 S, R 16 E [excluding NE 1/4 & NW 1/4, NE 1/4]

REPORT OF SURVEY

Prepared for:

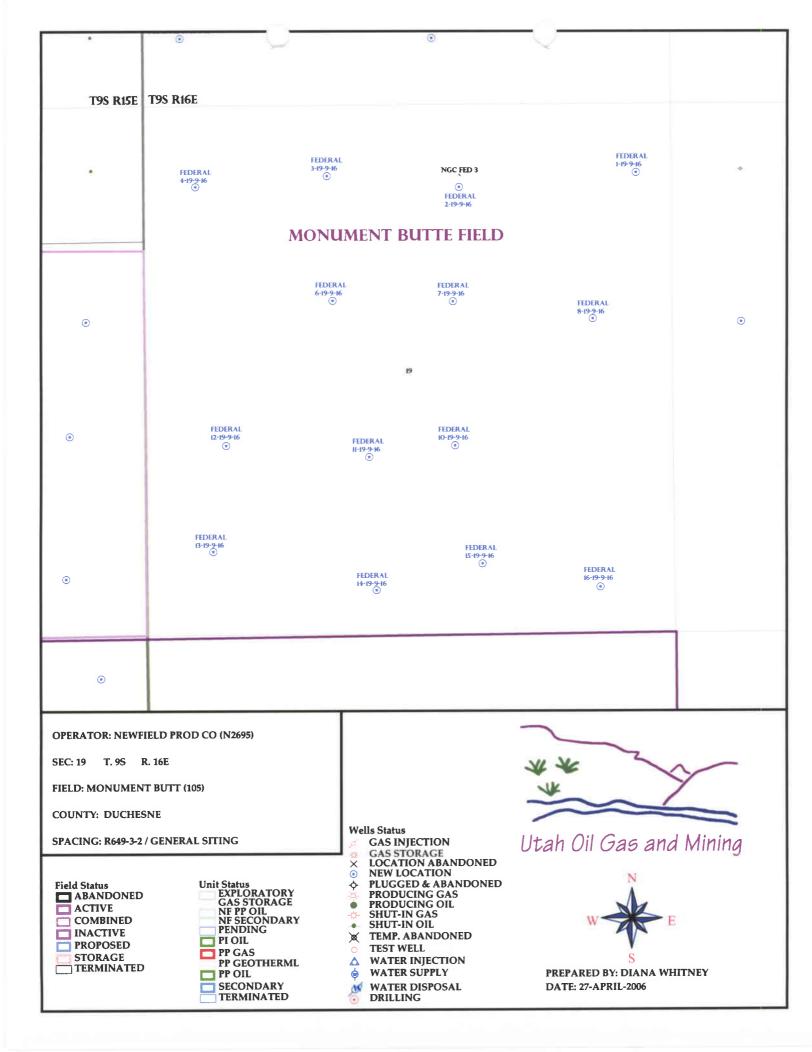
Newfield Production Company

Prepared by:

Wade E. Miller Consulting Paleontologist November 10, 2005

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVE	D: 04/26/2006		API NO. ASSIG	NED: 43-013	-33162			
WELL NAME:	FEDERAL 15-19-9-16							
OPERATOR:	NEWFIELD PRODUCTION (N2695)		PHONE NUMBER:	435-646-3721	<u>L</u>			
CONTACT:	MANDIE CROZIER							
PROPOSED LO	CATION:		INSPECT LOCATN	BY: /	/			
	.9 090S 160E 0711 FSL 1888 FEL		Tech Review	Initials	Date			
	0711 FSL 1888 FEL		Engineering					
COUNTY:			Geology					
	40.01119 LONGITUDE: -110.1586 EASTINGS:571809 NORTHINGS: 4429	128	Surface					
FIELD NAM	E: MONUMENT BUTTE (105)		1				
LEASE NUMBE	1 - Federal R: UTU-74391 ER: 1 - Federal		PROPOSED FORMAT		7			
RECEIVED AN	D/OR REVIEWED:	LOCATION	ON AND SITING:					
Plat		R	649-2-3.					
-	Fed[1] Ind[] Sta[] Fee[]	Unit:						
	UTB000192)	,						
N Potas			649-3-2. Genera iting: 460 From Ot		etween Wells			
Oil S Water	hale 190-5 (B) or 190-3 or 190-13	Siting: 460 From Qtr/Qtr & 920' Between Wells R649-3-3. Exception						
	MUNICIPAL)	<u> </u>						
N RDCC	Review (Y/N)	Drilling Unit						
(Dat	e:)	Board Cause No:						
Aip Fee S	urf Agreement (Y/N)		Siting:					
1111 Inten	t to Commingle (Y/N)	R	R649-3-11. Directional Drill					
COMMENTS: _	Soy, Seperate Lu							
					182			
STIPULATION	s: 1- technol Opproval							
	Spacing Why							





State of Utah

Department of **Natural Resources**

MICHAEL R. STYLER **Executive Director**

Division of Oil, Gas & Mining

> JOHN R. BAZA Division Director

JON M. HUNTSMAN, JR. Governor

> GARY R. HERBERT Lieutenant Governor

> > April 27, 2006

Newfield Production Company Rt. #3, Box 3630 Myton, UT 84052

Federal 15-19-9-16 Well, 711' FSL, 1888' FEL, SW SE, Sec. 19, T. 9 South, Re: R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33162.

Sincerely,

Gil Hunt

Associate Director

Stietht

pab **Enclosures**

Duchesne County Assessor cc:

Bureau of Land Management, Vernal District Office

Operator:	Newfield Production Company	
Well Name & Number	Federal 15-19-9-16	
API Number:	43-013-33162	
Lease:	UTU-74391	

Location: SW SE Sec. 19 T. 9 South R. 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Form 3160-3 (September 2001)

RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR APR 2 6 2006

FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004

UTU-74391

5. Lease Serial No.

BUKEAU OF LAND MANAC	ICIVICINI					
APPLICATION FOR PERMIT TO DR	6. If Indian, Allottee or Tribe Name					
AT FIGATION FOR FEMALE 10 DI				N/A		
T CW t Discours				7. If Unit or CA Agre	ement, Name and No.	
Ia. Type of Work: DRILL REENTER				N/A		
		—		8. Lease Name and W		
1b. Type of Well:		Zone - Multip	ole Zone	Federal 15-19)-9-16	
2. Name of Operator				9. API Well No.	2242	
Newfield Production Company					33162	
3a. Address	3b. Phone No. (in	· ·		10. Field and Pool, or		
Route #3 Box 3630, Myton UT 84052	(435) 646-372			Monument Bu	Blk. and Survey or Area	
4. Location of Well (Report location clearly and in accordance with	any State requirem	ents.*)		11. Sec., 1., K., M., or	Bik, and Survey of Alea	
At surface SW/SE 711' FSL 1888' FEL				SW/SE Sec. 1	9, T9S R16E	
At proposed prod. zone				3W/3L 000. 1	5, 10 5 11152	
14. Distance in miles and direction from nearest town or post office*				12. County or Parish	13. State	
Approximatley 14.5 miles southwest of Myton, Utah				Duchesne	UT	
15. Distance from proposed*	16. No. of Acres	s in lease	17. Spacin	g Unit dedicated to this	well	
location to nearest property or lease line, ft.				40.4		
(Also to nearest drig. unit line, if any) Approx. 1929' I/lse, NA I/unit	2139.	.50		40 Acres		
18. Distance from proposed location*	19. Proposed De	epth	20. BLM/E	BIA Bond No. on file		
to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1399'	6030'			UTB000192		
WPP			rt*	23. Estimated duratio	n	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	1 '''	32. 11ppromander and			Approximately seven (?) days from spud to up release.	
6218' GL		Cra desirer 2000				
	24. Attachn					
The following, completed in accordance with the requirements of Onsho	re Oil and Gas Ord	er No.1, shall be at	tached to this	s form:		
Well plat certified by a registered surveyor.	1 4	. Bond to cover t	he operation	ns unless covered by an	existing bond on file (see	
Wen plan certified by a registered surveyor. A Drilling Plan.		Item 20 above).				
3. A Surface Use Plan (if the location is on National Forest System	Lands, the 5	. Operator certific	ation. specific info	ormation and/or plans a	is may be required by the	
SUPO shall be filed with the appropriate Forest Service Office).	, ,	authorized office		Allamon and France		
25. Signature	Name (Pr	inted/Typed)			Date	
Wandie serses		Crozier			4/25/06	
Title				ar age agreement and a second control of the	in the second se	
Regulatory Specialist					L	
Approved by (Signature)	Name (Pr	inted/Typed)			Date	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct

Office

Conditions of approval, if any, are attached.

Lands & Mineral Resources

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

VERNAL FIELD OFFICE

*(Instructions on reverse)

RECEIVEDNOTICE OF APPROVAL MAR 0 6 2007

DIV. OF OIL, GAS & MINING





UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

VERNAL FIELD OFFICE

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:

Newfield Production Company

Location:

SWSE, Sec 19, T9S, R16E

Well No:

Federal 15-19-9-16

170 South 500 East

UTU-74391 Lease No:

API No:

43-013-33162

Agreement: N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	Cell: 435-828-7874
		0.00 40 = 501 4400	

Petroleum Engineer: Supervisory Petroleum Technician: Ryan Angus Office: 435-781-4430 Office: 435-781-4502 Jamie Sparger Office: 435-781-4475

Cell: 435-828-3913

Environmental Scientist: Environmental Scientist:

Paul Buhler Karl Wright Holly Villa

Office: 435-781-4484 Office: 435-781-4404

Cell: 435-828-4029

Natural Resource Specialist: Natural Resource Specialist: Natural Resource Specialist: Natural Resource Specialist:

Melissa Hawk Chuck Macdonald Darren Williams

Office: 435-781-4441 Office: 435-781-4447

Office: 435-781-4476

Natural Resource Specialist: After Hours Contact Number: 435-781-4513

Verlyn Pindell

Office: 435-781-3402 Fax: 435-781-4410

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Location Construction (Notify Chuck Macdonald) Forty-Eight (48) hours prior to construction of location and access roads.

Location Completion (Notify Chuck Macdonald) Prior to moving on the drilling rig.

Spud Notice

Twenty-Four (24) hours prior to spudding the well.

(Notify Petroleum Engineer)

Casing String & Cementing

(Notify Jamie Sparger)

Twenty-Four (24) hours prior to running casing and cementing all casing strings.

BOP & Related Equipment Tests (Notify Jamie Sparger)

Twenty-Four (24) hours prior to initiating pressure tests.

First Production Notice (Notify Petroleum Engineer)

Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

COAs: Page 2 of 9 Well: Federal 15-19-9-16

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

LEASE STIPULATIONS AND NOTICES

- Wildlife:
- 1) No surface occupancy is allowed (does not apply to casual use) within ½ mile of golden eagle nests which have been active within the past two years. This restriction will not apply to maintenance and operation of existing programs and facilities. It will not apply if impacts can be mitigated through other management actions or site specific analysis of terrain features. Protection of golden eagle nest sites as described in the Diamond Mountain Resource Management Plan and EIS. Waivers, Exceptions, or Modifications to this limitation may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated. Any changes to this stipulation will be made in accordance with the land use plan and/or the regulatory provisions for such changes. (For guidance on the use of this stipulation see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820.)
- 2) There are three Golden Eagle nests next to each other and are located 0.5 miles east of the proposed location, but are not in line-of-site. The nests are also 0.25 miles of the proposed access road. With this occurrence there will be a time restriction to protect Golden Eagle nesting from February 1 July 15.
- 3) No surface use is allowed within crucial deer and elk winter range during December 1 April 30. This stipulation does not apply to operation and maintenance of production facilities or if animals are not present. Preventing adverse impacts that would cause significant impacts that would cause significant displacements of deer or elk herds or loss of habitat as described by the Diamond Mountain Resource Management Plan and EIS. Waivers, Exceptions, or Modifications to this limitation may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated. Any changes to this stipulation will be made in accordance with the land use plan and/or regulatory provisions for such changes.

Lease Notices from Resource Management Plan-Wildlife:

The lessee/operator is given notice the area has been identified as containing Golden Eagle and Ferruginous Hawk habitat. Modifications may be required in the Surface Use Plan to protect the Golden Eagle and Ferruginous Hawk and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and CFR 3101.1-2.

Comments- Wildlife:

- 1. No Surface Occupancy (NSO) does not apply to the Golden Eagle stipulation because the nest is not in line-of-site within 0.5 miles from the proposed location or the proposed access road.
- 2. If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).

COAs: Page 3 of 9 Well: Federal 15-19-9-16

Notice to Lessee- Oil and Gas Lease Qualifications:

This lease is the under the provisions of the Mineral Leasing Act (MLA) of 1920, as amended by the Federal Coal Leasing Amendments Act of 1976, affect an entity's qualifications to obtain an oil and gas lease.

CONDITIONS OF APPROVAL

- This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc., signed August 24, 2005. If the well has not been spudded by August 24, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.

COAs: Page 4 of 9 Well: Federal 15-19-9-16

• When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.

- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- Trees and woody debris must be removed from the site and piled separately off site and saved for final reclamation. During final reclamation the trees and woody debris will be drug back over the recontoured and seeded areas, and spread evenly across the site. Trees and woody debris will not account for more than 20% of the total surface area of the site.
- The interim seed mix for this location shall be:

Crested wheatgrass (*Agropyron cristatum*): 4 lbs/acre Needle and Threadgrass (*Hesperostipa comata*): 4 lbs/acre Indian Ricegrass (*Achnatherum hymenoides*): 4 lbs/acre

- All pounds are in pure live seed.
- Rates are set for drill seeding; double the rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.

COAs: Page 5 of 9 Well: Federal 15-19-9-16

- All well facilities not regulated by OSHA will be painted Olive Black.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

COAs: Page 6 of 9 Well: Federal 15-19-9-16

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

1. Production casing cement shall be brought up and into the surface.

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- 1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- 2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- 3. <u>Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.</u>
- 4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

Cement baskets shall not be run on surface casing.

- 5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
- 6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

COAs: Page 7 of 9 Well: Federal 15-19-9-16

7. The lessee/operator must report encounters of all non oil and gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- 8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
- 9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

COAs: Page 8 of 9 Well: Federal 15-19-9-16

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

- 12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
- 13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- 14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address, and telephone number.
 - b. Well name and number.
 - c. Well location (1/41/4, Sec., Twn, Rng, and P.M.).
 - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
 - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

COAs: Page 9 of 9 Well: Federal 15-19-9-16

- g. Unit agreement and / or participating area name and number, if applicable.
- h. Communitization agreement number, if applicable.
- 15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- 16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- 17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- 18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

FORM 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993 5. Lease Designation and Serial No.

UTU-74391 Do not use this form for proposals to drill or to deepen or reentry a different reservoir. 6. If Indian, Allottee or Tribe Name Use "APPLICATION FOR PERMIT -" for such proposals NA 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE NA 1. Type of Well 8. Well Name and No. Oil Gas FEDERAL 15-19-9-16 Well Other 9. API Well No. 43-013-33162 2. Name of Operator NEWFIELD PRODUCTION COMPANY 10. Field and Pool, or Exploratory Area MONUMENT BUTTE 3. Address and Telephone No. Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721 11. County or Parish, State 4. Location of Well (Footage, Sec., T., R., m., or Survey Description) 711 FSL 1888 FEL SW/SE Section 19, T9S R16E DUCHESNE COUNTY, UT. CHECK APPROPRIATE BOY(s) TO INDICATE NATURE OF NOTICE PEROPT OF OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION					
X Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Permit Extension	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)				

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 4/27/06 (expiration 4/27/07).

This APD was approved by the BLM on 3/2/07.

Approved by the Utah Division of Oil, Gas and Mining

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct				
Signed Mandel (1884)	Title	Regulatory Specialist	Date	4/4/2007
Mandie Crozier				
CC: UTAH DOGM				
(This space for Federal or State office use)				
Approved by	Title		Date	
Conditions of approval, if any:				
CC: Utah DOGM				

^{13.} Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

Well Name: Location: Company Perr	43-013-33162 Federal 15-19-9-16 SW/SE Section 19,T mit Issued to: Permit Issued:	Newfield Production Compan	ny					
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.								
Following is a coverified.	checklist of some	e items related to the app	olication, which should be					
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes □ No □								
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☑								
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑								
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No ☑								
Has the approved source of water for drilling changed? Yes□Noা☑								
	re a change in p	changes to the surface lo lans from what was disc						
Is bonding still in place, which covers this proposed well? Yes ☑ No □								
Willen	di Croz	Peis .	4/4/2007					
Signature	C)	Date					
Title: Regulatory	y Specialist							
Representing: Newfield Production Company								
		DE	OEN/ED					

APR 0 9 2007

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company:		NEWFIELD PRODUCTION COMPANY						
Well Name:		FEDERAL 15-19-9-16						
Api No:	43-013-33162		Lease T	ype: FED	ERAL			
Section 19	Township	09S Range	<u> 16E</u> Co	unty DUC	CHESNE			
Drilling Cor	ntractor	ROSS DRILLIN	NG	RIG #	24			
SPUDDE	D:							
	Date	Date10/29/07						
	Time	me 9:00 AM						
	How	DRY						
Drilling wi	ill Commend	ce:						
Reported by		JUSTIN CRI	U M					
Telephone#		(435) 823-67	/33					
Date	10/29/07	Signed	d CH	D				

OPERATOR ACCT. NO. N2695

ACTION CURRENT CHITTY NO. API NUMBER WELL NAME MELL LOCATION SPLID A 99999 **EFFECTIVE** 4301333101 FEDERAL 8-19-9-16 WELL I COMMENTE: SENE 19 GRRU 98 16E DUCHESNE 10/25/2007 ACTION CURRENT NEW CODE API NUMBER ENTITY NO. ENTITY NO WELL MALE WELL LOCATION QQ SPUD A 99999 ₽C TP EFFECTIVE COUNTY 4304739491 DATE **UTE TRIBAL 3-25-4-1** DATE NENW 25 45 1W DUCHESNE 10/27/2007 ACTION CURRENT ENTITY NO. NEW AND API NUMBER WELL HAME WELL LOCATION 16415 COUNTY EFFECTIVE 99999 4301333162 FEDERAL 15-19-9-16 SWSE 98 16E DUCHESNE 10/29/2007 ACTION CURRENT CODE NEW ENTITY NO API NUNBER ENTIFY NO. WELL NAME WELL LOCATION В **3C** AIG **AFFECTIVE** 99999 OCUMY 11492 4301333496 JONAH FED J-6-9-17 DATE SENE 6 17E DUCHESNE 95 10/29/2007 BHL= SENE ACTION CURRENT NEW CODE ENTITY NO. ENTITY NO WELL NAME WELL LOCATION В QQ SPVD 99999 TP EFFECTIVE 11492 COUNTY 430133349 DATE JONAH FED H-6-9-17 DATE WELL 5 COMMENTS: SWNE 98 17E DUCHESNE 10/30/2007 BHL = SWNE ACTION CURRENT NEW COOP API NUMBER ENTITY NO. WELL NAME ENTITY NO WELL LOCATION 99999 6416 00 SPLID 4301333163 SC TP. **EFFECTIVE** RG FEDERAL 16-19-9-16 COUNTY WELL S CONMENTAL DATE SESE 19 98 DUCHESNE 10/31/2007 ACTION CODES (See trainediens on back of form) office lines of pairs) from most vol visites were a - A.

- B 1 wed to existing early (group or 177) well)
- C Jip as cose excisting entity to another existing metity
- O wed from one existing entity to a new entity
- E Bar (auglain in commercy section

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NOV U 2 2007

Signature Production Clerk Jentri Park

11/01/07 Dute

FORM 3160-5 (September 2001)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

And the state of t

States any false. fictitious and fraudulent statements or representations as to any matter within its iurisdiction

(Instructions on reverse)

FORM APPROVED OMB No. 1004-0135 Expires January 31,2004 5. Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an

USA UTU-74391

abandoned v	vell. Use Form 3160-3 (AP	D) for such pr	nter an oposals.		6. If Indian, Allo	ttee or Tribe Name.
	Children Service Constitute	e Marketon in the	1 70 91873		7. If Unit or CA/	Agreement, Name and/or
1. Topo of Well			State of the state			
1. Type of Well Oil Well Gas Well	Other				8. Well Name an	d No
2. Name of Operator					FEDERAL 1	
NEWFIELD PRODUCTION C 3a. Address Route 3 Box 3630	OMPANY	3b. Phone (ii	iclude are code	.1	9. API Well No.	
Myton, UT 84052		435.646.3721		.) 	4301333162 10. Field and Poo	ol, or Exploratory Area
	Sec., T., R., M., or Survey Descripe	tion)			MONUMENT	BUTTE
711 FSL 1888 FEL					11. County or Pa	rish, State
SWSE Section 19 T9S R16E					DUCHESNE,	
12. CHEC	K APPROPRIATE BOX(ES) TO INIDICA	ATE NATU	RE OF N	OTICE, OR O	THER DATA
TYPE OF SUBMISSION			TYPE OF	ACTION		
☐ Notice of Intent	Acidize	Deepen		Production	n(Start/Resume)	☐ Water Shut-Off
·	Alter Casing	Fracture Tre		Reclamati	on	Well Integrity
Subsequent Report	Casing Repair	New Constru	_	Recomple		Other
Final Abandonment	Change Plans Convert to	☐ Plug & Abar☐ Plug Back	idon 🔲	Temporari Water Dis	ily Abandon	Spud Notice
12 p 1 p 1 p 1 p	peration (clearly state all pertinent detail		<u></u>		•	
hereby certify that the foregoing is orrect (Printed/ Typed)	true and	Title				
Jim Smith		Drillin	g Foreman			
ignature		Date 11/09/2	2007			
		11/09/2				
7						
pproved by			Title		Date	•
	ed. Approval of this notice does not war uitable title to those rights in the subject uct operations thereon.		Office			-
tle 18 U.S.C. Section 1001 and Title 43	U.S.C. Section 1212 make it a crime for	yr any person knowis	alv and willfulls	to make to e	w department or age	nor of the United

NOV 1 4 2007

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

			8 5/8	CASING SE	rat	324.84	-			
LAST CASI	NG <u>8 5/8"</u>	set @	324.84	<u> </u>	OPERATOR	OPERATOR Newfield Production Comp				
DATUM _	12' KB	···			WELL		Federal 1	5-19-9-16		
DATUM TO	CUT OFF C	ASING			FIELD/PRO	SPECT _	Monumen	t Butte		
DATUM TO	BRADENH	EAD FLANGE	<u> </u>		CONTRACT	TOR & RIG#		Ross rig # 2	24	
TD DRILLER	320'	LOGG	ER							
HOLE SIZE	12 1/	4								
LOG OF CA	SING STRI	NG:		· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	
PIECES	OD	ITEM -	MAKE - DESC	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH	
		-							·	
	ļ	ļ					,			
		Shoe	Joint 44.38'			,			~	
		WHI - 92 cs	g head				8rd	A	0.95	
7	8 5/8"	Maverick S			24#	J-55	8rd	Α	312.36	
	İ.,		GUIDE	shoe			8rd	Α	0.9	
CASING IN	CASING INVENTORY BAL. FEET JTS				TOTAL LEN	GTH OF ST	RING	_	314.84	
TOTAL LENGTH OF STRING 314			314.84	7	LESS CUT OFF PIECE					
LESS NON	CSG. ITEMS	 	1.85		PLUS DATUM TO T/CUT OFF CSG					
PLUS FULL	JTS. LEFT (DUT	0		CASING SE	324.84				
	TOTAL		312.99	7	<u> </u>					
TOTAL CSG	. DEL. (W/O	THRDS)	312.99	7	COMPARE					
TIMING			1ST STAGE]					
BEGIN RUN	CSG.	Spud	10/29/2007	9:00 AM	GOOD CIRC	THRU JOB		yes	· · · · · · · · · · · · · · · · · · ·	
CSG. IN HO	<u>.E</u>		10/29/2007	4:00 PM	Bbls CMT CI	RC TO SUR	FACE	5		
BEGIN CIRC	;		11/3/2007	10:16 AM	RECIPROCA	ATED PIPE F	OR	N/A		
BEGIN PUM	PCMT		11/3/2007	10:31 AM						
BEGIN DSPL	CMT		11/3/2007	10:43 AM	BUMPED PL	UG TO		393	PSI	
PLUG DOWN	1		11/3/2007	10:55 AM						
EMENT US	ED			CEMENT CO	MPANY-	B. J.				
STAGE	# SX	······································		CEMENT TYP	PE & ADDITIV	ES				
1	160	Class "G" w/	2% CaCL2 + 1	/4#/sk Cello-F	lake mixed @	15.8 ppg 1.1	17 cf/sk yield			
					·					
				·						
		CHER PLAC				SHOW MAKI	E & SPACING	G		
entralizers	- Middle fir	st, top seco	nd & third for	3						
										
									i	

COMPANY REPRESENTATIVE	Jim Smith	DATE _	11/3/2007

FORM 3160-5 (September 2001)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED OMB No. 1004-0135 Expires January 31,2004

5. Lease Serial No.
USA UTU-74391
6. If Indian, Allottee or Tribe Name.

abandoned w	ell. Use Form 3160-3 (Al	PD) for such proposals	· O. II Ilidian, A	Mottee of Trioc Name.
	RiPote Aug 20ther his	itugionsonsteversesl	ie 7. If Unit or C	CA/Agreement, Name and/or
1. Type of Well Gas Well	Other		0. 17/ 11 21	and No.
2. Name of Operator	- Other		8. Well Name	: and No. L 15-19-9-16
NEWFIELD PRODUCTION CO	OMPANY		9. API Well N	,
3a. Address Route 3 Box 3630		3b. Phone (include are		
Myton, UT 84052 4. Location of Well (Footage, 1)	Sec., T., R., M., or Survey Descri	435.646.3721		Pool, or Exploratory Area
711 FSL 1888 FEL	Sec., 1., R., W., Or Survey Descri	puon	MONUME 11. County or	
SWSE Section 19 T9S R16E			DUCHESN	
12. CHECK	APPROPRIATE BOX(E	ES) TO INIDICATE NA	TURE OF NOTICE, OR	OTHER DATA
TYPE OF SUBMISSION		TYPI	E OF ACTION	
■ Notice of Intent ■ Subsequent Report ■ Final Abandonment	Acidize Alter Casing Casing Repair Change Plans Convert to	Deepen Fracture Treat New Construction Plug & Abandon Plug Back	Production(Start/Resume Reclamation Recomplete Temporarily Abandon Water Disposal	Water Shut-Off Well Integrity Other Weekly Status Report
log's TD to surface. PU 8 with 325 sks cement mix	875 hole with fresh water t & TIH with Guide shoe, sho ed @ 11.0 ppg & 3.43 yld. pple down Bop's. Drop slip	oe jt, float collar, 136 jt's Then 400 sks cement m	of 5.5 J-55, 15.5# csgn. S nixed @ 14.4 ppg & 1.24 y	/ld. Returned 40 bbls of
				RECEIVED
				DEC 1 2 2007
				DIV. OF OIL, GAS & MINING
I hereby certify that the foregoing i	s true and	Title		
COTTECT (Printed/ Typed) Justin Crum		Drilling Forema	an	
Signature	//	Date		
Justin (by and	12/11/2007		
		The state of the s		
	en anti-se de la calcination de la constantina de la constantina de la constantina de la constantina de la cons	entantin direk en enterit	Videologica (Se	
Approved by Conditions of approval, if any, are attack			A to entrice 150	Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United

States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

		-	5 1/2"	CASING SET			-			
LAST CASIN	IC 85/8"	Set @	324.84			5836.32	Newfield I	:		
DATUM							-19-9-16			
			12'				Monumen			
		AD FLANGE					Monumen			
			5871'		00.1110.01					
HOLE SIZE		Loggers	307 1			-			1	
HOLL GIZE	. 110								i	
LOG OF CA	SING STRIN	IG:				····				
PIECES	OD	ITEM -	MAKE - DESCI	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH	
		Landing Jt							14	
		Short jt	3998'/6.88'							
135	5 1/2"	ETC LT & C	casing		15.5#	J-55	8rd	Α	5820.44	
		Float collar							0.6	
1	5 1/2"	ETC LT&C	csg		15.5#	J-55	8rd	Α	33.69	
			GUIDE	shoe			8rd	Α	0.69	
CASING INV	ENTORY B	AL.	FEET	JTS	TOTAL LEN	5869.6				
TOTAL LEN	GTH OF STI	RING	5869.67	136	LESS CUT OFF PIECE					
LESS NON	CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG					
PLUS FULL	JTS. LEFT (DUT	243,22	6	CASING SET DEPTH 5867.					
	TOTAL		6097.94	142	<u> </u>					
TOTAL CSG	. DEL. (W/O	THRDS)	6097.94	142	COMPARE					
TIMING			1ST STAGE	2nd STAGE						
BEGIN RUN	CSG.		11/28/2007	4:30 AM	GOOD CIRC	C THRU JOB		Yes		
CSG. IN HO	LE		11/28/2007	8:30 AM	Bыs СМТ С	Bbis CMT CIRC TO SURFACE 40				
BEGIN CIRC	· 		11/28/2007	8:30 AM	RECIPROCATED PIPE FORTHRUSTROKE NA					
BEGIN PUM	P CMT		11/28/2007	10:37 AM	DID BACK PRES. VALVE HOLD ? Yes					
BEGIN DSPI	L. CMT		11/28/2007	11:38 AM	BUMPED PI	LUG TO _	1600		PSI	
PLUG DOW	N		11/28/2007	12:01 PM						
CEMENT US	SED			CEMENT CO	MPANY-	B. J.				
STAGE	# SX		······································	CEMENT TYP	E & ADDITIV	/ES		<u>, </u>		
11	325	Premiite ii w	/ 10% gel + 3 9	% KCL, 5#'s /s	k CSE + 2# si	k/kolseal + 1/	2#'s/sk Cello	Flake		
		mixed @ 11	.0 ppg W / 3.43	cf/sk yield		·				
2	400	50/50 poz V	V/ 2% Gel + 3%	KCL, .5%EC1	,1/4# sk C.F.	2% gel. 3%	SM mixed @	14.4 ppg W/	1.24 YLD	
CENTRALIZ	ER & SCRA	TCHER PLAC	CEMENT			SHOW MAK	E & SPACIN	G		
Centralizer	s - Middle f	irst, top sec	ond & third. Th	nen every thir	d collar for	a total of 20	<u></u>			
						 				
										
COMPANY	REPRESENT	TATIVE	Justin Crum				DATE	11/29/2007		

RECEIVED

DEC 1 2 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-74391

DIVISION OF OIL, GAS AND MINING UTU-74391										
SUNDRY	SUNDRY NOTICES AND REPORTS ON WELLS 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:									
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.										
1. TYPE OF WELL: OIL WELL	GAS WELL OTHER		8. WELL NAME and NUMBER:							
	GAS WELL OTHER		FEDERAL 15-19-9-16							
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COM	(DANIX		9. API NUMBER:							
3. ADDRESS OF OPERATOR:	IPANI	PHONE NUMBER	4301333162 10. FIELD AND POOL, OR WILDCAT:							
Route 3 Box 3630 cm	TY Myton STATE UT	ZIP 84052 435.646.3721	· · · · · · · · · · · · · · · · · · ·							
4. LOCATION OF WELL:			MONOMENT BOTTE							
FOOTAGES AT SURFACE: 711 FSL 18	388 FEL		COUNTY: DUCHESNE							
OTR/OTR, SECTION, TOWNSHIP, RANGE.	MERIDIAN: SWSE, 19, T9S, R16E		STATE: UT							
11. CHECK APPROP	PRIATE BOXES TO INDICAT	TE NATURE OF NOTICE	E, REPORT, OR OTHER DATA							
TYPE OF SUBMISSION		TYPE OF ACT	ION							
	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION							
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL							
Approximate date work will	CASING REPAIR	NEW CONSTRUCTION	TEMPORARITLY ABANDON							
•••	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR							
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLAIR							
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUGBACK	=							
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/STOP)	WATER DISPOSAL							
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	_	WATER SHUT-OFF							
02/12/2008	CONVERT WELL TYPE	RECLAMATION OF WELL SITE	, , , ,							
	-	RECOMPLETE - DIFFERENT FO								
	MPLETED OPERATIONS. Clearly show		s, depths, volumes, etc.							
The above mentioned well	went on production 2/12/08. See a	attached daily activity report.								
		W								
NAME (PLEASE PRINT) Tammi Lee		TITLE Production	on Clerk							
She in Ci	That .									
SIGNATURE COMPANY		DATE 02/14/20	800							

(This space for State use only)

RECEIVED FEB 1 5 2008

Daily Activity Report

Format For Sundry FEDERAL 15-19-9-16 11/1/2007 To 5/29/2008

1/24/2008 Day: 1

Completion

Rigless on 1/23/2008 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5768' & cement top @ 166'. Perforate stage #1, CP1 sds @ 5424-34' w/ 3-1/8" Slick Guns (19 gram, .49"HE. 120°) w/ 4 spf for total of 10 shots. 138 bbls EWTR. SIFN.

2/2/2008 Day: 2

Completion

Rigless on 2/1/2008 - Stage #1 CP1 sds. RU BJ Services. 0 psi on well. Frac CP1 sds w/ 19,731#'s of 20/40 sand in 327 bbls of Lightning 17 fluid. Broke @ 3005 psi. Treated w/ ave pressure of 1909 psi w/ ave rate of 15.2 BPM. ISIP 2009 psi. Leave pressure on well. 465 BWTR. Stage #2 LODC sds. RU Lone Wolf, Ilc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 11' perf gun. Set plug @ 5300'. Perforate LODC sds @ 5180-91' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 44 shots. RU BJ Services. 1755 psi on well. Frac LODC sds w/ 29,863#'s of 20/40 sand in 404 bbls of Lightning 17 fluid. Broke @ 2051 psi. Treated w/ ave pressure of 2361 psi w/ ave rate of 22.1 BPM. ISIP 2460 psi. Leave pressure on well. 869 BWTR. Stage #3 A1 sds. RU Lone Wolf, Ilc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 5020'. Perforate A1 sds @ 4925-33' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 32 shots. RU BJ Services. 2070 psi on well. Frac A1 sds w/ 15,194#'s of 20/40 sand in 274 bbls of Lightning 17 fluid. Broke @ 2164 psi. Treated w/ ave pressure of 2440 psi w/ ave rate of 21.6 BPM. ISIP 2237 psi. Leave pressure on well. 1143 BWTR. Stage #4 B.5 sds. RU Lone Wolf, Ilc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 7' perf gun. Set plug @ 4850'. Perforate B.5 sds @ 4753-60' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 28 shots. RU BJ Services. 1800 psi on well. Frac B.5 sds w/ 25,716#'s of 20/40 sand in 345 bbls of Lightning 17 fluid. Broke @ 3482 psi. Treated w/ ave pressure of 2072 psi w/ ave rate of 22.0 BPM. ISIP 2020 psi. Leave pressure on well. 1488 BWTR. Stage #5 D1 sds. RU Lone Wolf, Ilc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 14' perf gun. Set plug @ 4650'. Perforate D1 sds @ 4539-53' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 56 shots. RU BJ Services. 1802 psi on well. Frac D1 sds w/ 46,601#'s of 20/40 sand in 439 bbls of Lightning 17 fluid. Broke @ 3021 psi. Treated w/ ave pressure of 1712 psi w/ ave rate of 22.0 BPM. ISIP 1930 psi. Open well to pit for immediate flowback @ approx. 1 bpm. Well flowed for 6 hrs & died. Recovered 350 bbls. SWIFN.

2/6/2008 Day: 3

Completion

Rigless on 2/5/2008 - Thaw wellhead. MIRU Leed 712. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe racks (tallying & drifting). Tag CBP @ 4650'. SWIFN.

2/7/2008 Day: 4

Completion

Leed #712 on 2/6/2008 - Thaw well. RU powerswivel & pump. Circulate well clean. DU CBP @ 4650' in 30 min. Cont. RIH w/ tbg. Tag CBP @ 4850'. DU CBP in 16 min. Cont. RIH w/ tbg. Tag @ 5014'. C/O to CBP @ 5020'. DU CBP in 15 min. Cont. RIH w/ tbg. Tag 5280'. C/O to CBP @ 5300'. DU CBP in 15 min. Cont. RIH w/ tbg. Tag @ 5751'. C/O to PBTD @ 5830'. Circulate well clean. Pull up to 5736'. RIH w/ swab. Made 5 runs. Recovered 44 bbls. Trace of oil. No show of sand. EFL 200'. SWIFN.

2/8/2008 Day: 5

Completion

Leed #712 on 2/7/2008 - RIH w/ swab. Tbg. swabbed down to 5600' in 4 runs. RD swab. Attempt to pick up on tbg. Tbg. stuck. RU pump to tbg. Could not pump down tbg. RU powerswivel. Work tbg. free. RU pump to tbg. Could not pump down tbg. POOH w/ tbg. (pulling wet). The last jt was plugged w/ sand. SWIFN.

2/9/2008 Day: 6

Completion

Leed #712 on 2/8/2008 - RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 141 jts 2 7/8" tbg. Could not get in tbg. w/ swab. RU pump to tbg. Pump 20 bbls water down tbg. RIH w/ swab. SFL @ surface. Made 8 runs. Recovered 63 bbls. On 8th run pulled alot of sand. RU pump. Circulate well clean. Cont. swabbing. Made total of 18 runs. EFL @ 1000'. Making alot of sand. 10% oil cut. SWIFN.

2/12/2008 Day: 7

Completion

Leed #712 on 2/11/2008 - Bleed sm amt gas off tbg. Resume swabbing well for sand cleanup. IFL @ 100'--unable to get cups in hole. RU HO trk & flush tbg (circulate) W/ 30 BW @ 250°F. Made 8 runs rec 48 BTF W/ no sand in samples, light gas & sm tr oil. FFL @ 1000'. TIH W/ tbg. Tag fill @ 5820'. C/O sd to PBTD @ 5830'. Circ hole clean. Lost est 30 BW & rec tr oil. LD excess tbg. ND BOP. Set TA @ 5401' W/ SN @ 5435' & EOT @ 5499'. Land tbg W/ 15,000# tension. NU wellhead. RU & flush tbg W/ 60 BW (returned same amt). PU & TIH W/ pump and "B" grade rod string to 3350'. PU polished rod & SIFN W/ est 1504 BWTR.

2/13/2008 Day: 8

Completion

Leed #712 on 2/12/2008 - Con't PU & TIH W/ pump and "B" grade rod string f/ 3350' (complete as follows): new CDI 2 1/2" X 1 1/2" X 18' RHAC pump, 6-1 1/2" weight rods, 20-3/4" scrapered rods, 108-3/4" plain rods, 83-3/4" scrapered rods, 1-2' X 3/4" pony rod & 1 1/2" X 26' polished rod (A grade). Seat pump & RU pumping unit. W/ tbg full, prressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1504 BWTR. Place well on production @ 1:00 PM 2/12/2008 W/ 102" SL @ 5 SPM. FINAL REPORT!!

Pertinent Files: Go to File List

FORM 3160-(July 1992)

UNITED STATES

SUBMIT IN DUPLICATE* FORM APPROVED

(See other instructions ons reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

5 I FASE DESIGNATION AND SERVAL NO

		AU OF LAND					5. LEASE DESIGNATION	4391
WELL COM					AND I OG	*	6. IF INDIAN, ALLOTTER	OR TRIBE NAME
1a. TYPE OF WORK	II LETION	OK KECON	AF LL HON	INLF OILT A	AND LOC	, 	7. UNIT AGREEMENT N	NA
1a. THE OF WORK	OIL WELL	X GAS WELL	DRY	Other	-		Address the All Control States	E MILE
1b. TYPE OF WELL						,	8 FARM OR LEASENIAN	AE MELL NO
NEW work		PLUG					8. FARM OR LEASE NAM	
WELL OVER 2. NAME OF OPERATOR	DEEPEN	ВАСК	RESVR.	Other				_ 15-19-9-16
2. NAME OF OPERATOR	Ne	wfield Explora	tion Compan	ıv			9, WELL NO. 43-01	3-33162
3. ADDRESS AND TELEPHONE NO).	St. Suite 100	,		· • · · · · · · · · · · · · · · · · · ·		10. FIELD AND POOL OR	WILDCAT
4. LOCATION OF WELL (Repo					-		11. SEC., T., R., M., OR BI	ENT BUTTE OCK AND SURVEY
At Surface		711 FSL	& 1888 'FEL SV	VSE			OR AREA	T00-54-05
At top prod. Interval reported be	low						SEC19,	T9S, R16E
At total depth		14. API NO 43	3-013-33162		4/27/07		12. COUNTY OR PARISH DUCHESNE	13. STATE UT
15. DATE SPUDDED 16. DATE 10/29/07	T.D. REACHED 11/27/07	17. DATE COMPL. 2 /	(Ready to prod.) 12/08	18. ELEVATIONS ((DF, RKB, RT, GR - 6230 KB	ETC.)*		19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD		K T.D., MD & TVD	22. IF MULTIF	PLE COMPL.,	23. INTERVALS		FARY TOOLS	CABLE TOOLS
5891'		5830'	HOW MAN	1Y*	DRILLED BY		X	
24. PRODUCING INTERVAL(S), OF	Access to the second se	TOP, BOTTOM, NAME	(MD AND TVD)* I RIVER 453	9'-5434'				25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER I		nantad Danait		atad Nautuan	CD Calina		ont Dand Lag	27. WAS WELL CORED
Dual Induction Guard	i, SP, Compe			port all strings set in		i, Ceni	ent bona Log	No No
CASING SIZE/GRADE	WEIGHT,	LB./FT. DEF	TH SET (MD)	HOLE SIZE	TOP OF (EMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55 5-1/2" J-55	24i 15.5	the contract of the contract o	324.84' 867.67'	12 1/4 7 7/8			of class "G" cement 400sx of 50/50 poz	
0-1/2 0 00	1949	. 	001.01	1110	10203X 0111	STIME IT	x +003X 01 00/00 poz	
29.		R RECORD			30.		TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	* SCREEN (MD)	2-7/8"		DEPTH SET (MD)	PACKER SET (MD) TA @
							5498.78'	5401.08'
31. PERFORATION RECORD (Inte			CDE/MUMBE	32.	ACID, SHO ERVAL (MD)	T, FRACT	URE, CEMENT SQUEE AMOUNT AND KIND OF	
<u>INTERVAI</u>	4	SIZE	SPF/NUMBE	R DEPIHINI	ERVAL (MD)	L	AMOUNT AND KIND OF	MATERIAL USED
CP1 s	sds 5424'-5434'	.49"	4/40	5424'	-5434'	Frac w	/19731#'s of 20/40 s	and in 327 bbls of fluid
the same of the sa	sds 5180'-5191'	.49"	4/44		-5191'	Frac w	29863#'s of 20/40 s	and in 404 bbls of fluid
A1 s	ds 4925'-4933'	.49"	4/32		4925'-4933' Frac w/		c w/ 15194#'s of 20/40 sand in 274 bbls of fluid	
	sds 4753'-4760'	.49"	4/28		-4760'			and in 345 bbls of fluid
D1.s	ds 4539'-4553'	.49"	4/56	4539	-4553'	Frac w	46601#'s of 20/40 s	and in 439 bbls of fluid
33.* DATE OF FIRST PRODUCTION	PRODUCTION	METHOD (Flowing, ga		JCTION d type of pump)				ATUS (Producing or shut-in)
2/12/08				18' RHAC pun	np w/ plung GASMCF.			RODUCING GAS-OIL RATIO
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N, FOR TEST PERIOD	оп-ввсs. 33	GAS-MCF. 5767		ERBBL. 44	1948
10 day ave FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED	OIL-BBL.	GASMCF.	0101	WATER		Y-API (CORR.)
		24-HOUR RATE		RE	CEIVE	D		
34. DISPOSITION OF GAS (Sold, used	for fuel, vented, etc.)	Used for	Fuel	NA A	AR 1 0 20	nΩ	TEST WITNESSED BY	
35. LIST OF ATTACHMENTS				9 50		<i></i>		
36. I hereby certify that the forego	ning and attached info	ormation is complete	and correct as deter	mined from all availab	OIL, GAS &	AIIVING		
SIGNED CENTRY MATTINE TOTAL	NAME OF THE PERSON OF THE PERS	accept 15 Comprote	TITLE	Produ	uction Tech	nnician	DATE	3/8/2008
Tammi Lee								TL

	TRUE VERT. DEPTH	
1ARKERS TOP	MEAS. DEPTH 3528' 3755'	3861' 4114' 4373' 4405' 4507' 4742' 4859' 5396' 5480' 0 0 5871'
38. GEOLOGIC MARKERS	NAME Garden Gulch Mkr Garden Gulch 1	Garden Gulch 2 Point 3 Mkr X Mkr Y-Mkr Douglas Creek Mkr BiCarbonate Mkr Castle Peak Basal Carbonate Wasatch Total Depth (Loggers)
SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries); FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC.	Well Name Federal 5-19-9-16	
t zones of porosity and co used, time tool open, flow BOTTOM		
cerval tested, cushion		
SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries); FORMATION TOP BOTTOM DESCRIPTION, CON		

Ì



Well Name: Federal 15-19-9-16 LOCATION: S19, T9S, R16E COUNTY/STATE: Duchesne

API: 43-013-33162

Spud Date: 10-29-07

TD: 5891' CSG: 11-28-07 POP: 2-12-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
2/12/2008				1504				POP @ 1:00 P.M. w/ 102" SL @ 5 SPM. 1504 Total water to recover.
2/13/2008	20	0	233	1271	0	0	5 1/2	Treater bypassed, everything dumping into Oil tank.
2/14/2008	24	0	310	961	0	0	5 1/2	
2/15/2008	0	0	0	961	0	0	0	Down - surface equipment
2/16/2008	0	0	0	961	0	0	0	Down - Waiting on mechanic
2/17/2008	0	0	0	961	0	0	0	Down - Waiting on mechanic
2/18/2008	0	0	0	961	0	600	0	Down - Waiting on mechanic
2/19/2008	24	0	0	961	0	600	0	Down - hole in pipe
2/20/2008	24	0	45	916	0	1400	5 1/2	45 Total production, Treater bypassed.
2/21/2008	24	0	45	871	29	1500	5 1/2	
2/22/2008	24	0	0	871	0	1500	5 1/2	
2/23/2008	0	0	0	871	826	1500	0	FLOWING
2/24/2008	0	33	0	871	805	1400	0	FLOWING
2/25/2008	24	0	0	871	0	1500	0	GAS FROZE OFF
2/26/2008	24	0	0	871	349	1500	0	Flowing
2/27/2008	24	0	0	871	763	1500	0	Flowing
2/28/2008	24	0	0	871	975	1500	Ó	FLOWING
2/29/2008	24	0	18	853	121	1500	0	FLOWING
3/1/2008	24	0	26	827	910	1500	0	FLOWING
3/2/2008	24	0	0	827	651	1500	0	FLOWING
3/3/2008	24	0	0	827	919	900	0	FLOWING
3/4/2008	24	0	0	827	702	900	0	FLOWING
3/5/2008	24	0	0	827	377	1100	0	FLOWING
3/6/2008				827				
3/7/2008				827				
3/8/2008				827				
3/9/2008				827				
3/10/2008				827				
3/11/2008				827				
3/12/2008		\Box		827				
3/13/2008				827				
3/14/2008				827				
		33	677		7427			

28856



March 23, 2012

Mr. Mark Reinbold State of Utah Division of Oil, Gas and Mining 1594 W North Temple Salt Lake City, Utah 84114-5801

RE:

Permit Application for Water Injection Well

Federal #15-19-9-16

Monument Butte Field, Lease #UTU-74391 Section 19-Township 9S-Range 16E

Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #15-19-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Eric Sundberg Regulatory Lead

RECEIVED
MAR 2 8 2012

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL FEDERAL #15-19-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

LEASE #UTU-74391

MARCH 23, 2012

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STATE OF UTAH DIVISION OF OIL, GAS AND MINING

ADDRESS

APPLICATION FOR INJECTION WELL - UIC FORM 1

1001 17th Street, Suite 2000 Denver, Colorado 80202

OPERATOR Newfield Production Company

	nber:	Federal #	15-19-9-16								
Field or Unit name:	Monument B	utte (Green	River)				Lease No. UTU-74391				
Well Location: QQ	SWSE	section	19	township	98	range	16E	county	Duchesne		
Is this application fo	r expansion o	f an existing	g project? .			Yes [X]	No []				
Will the proposed w	ell be used fo	r:	Disposal?	d Recovery?		Yes[]	No [X]				
ls this application fo	r a new well t	o be drilled?	>			Yes[]	No [X]				
If this application is has a casing test Date of test: API number: 43-0	been perform		ell? - -			Yes[]	No [X]				
Proposed injection i Proposed maximum Proposed injection z mile of the well.	injection:			to pressure [] fresh wa	5830 1901 ater within	psig 1/2					
	IMPOR'	TANT:		l information ny this form.	as require	d by R615	-5-2 should				
List of Attachments:		Attachme	nts "A" thro	ugh "H-1"		· · · · · · · · · · · · · · · · · · ·	×-				
I certify that this rep	ort is true and	l complete t	o the best	of my knowle	edge.	1					
Title Reg	Sundberg ulatory Lead 3) 893-0102		14-14-	_ Signature _ Date _	3/23	The state of the s			_		
Phone No. <u>(303</u>											

FEDERAL 15-19-9-16

Spud Date: 10/29/07 Initial Production: BOPD. MCFD, BWPD Put on Production: 02/07/08 Proposed Injection Wellbore Diagram GL:6218' KB:6230' FRAC JOB SURFACE CASING Frac CP1 sands as follows: CSG SIZE: 8-5/8" TOC @ 166' 02/01/08 5424-5434' 19731# 20/40 sand in 327 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 1909 psi WEIGHT: 24# w/avg rate of 15.2 BPM. ISIP 2009 psi. 02/01/08 5180-5191' Frac LODC sands as follows: LENGTH: 7 jts. (312.36') 29863# 20/40 sand in 404 bbl Lightning 17 Casing Shoe @ 325' DEPTH LANDED: 324.84' KB frac fluid. Treated @ avg press of 2361 psi w/avg rate of 22.1 BPM. ISIP 2460 psi. HOLE SIZE:12-1/4" Frac A1 sands as follows: 15194# 20/40 sand in 274 bbls Lightning 17 02/01/08 4925-4933' CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf. frac fluid. Treated @ avg press of 2440 psi w/avg rate of 21.6 BPM. ISIP 2237 psi. 02/01/08 4753-4760 Frac B.5 sands as follows 25716# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 2072 psi w/avg rate of 22.0 BPM. ISIP 2020 psi. 02/01/08 4539-4553' Frac D1 sands as follows: PRODUCTION CASING 46601# 20/40 sand in 439 bbls Lightning 17 frac fluid. Treated @ avg press of 1712 psi w/avg rate of 22.0 BPM. ISIP 1930 psi. CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# Tubing Leak. Updated rod &tubing detials. 10/2/09 LENGTH: 136 jts. (5854.09') Parted Rods. Rods & tubing updated. 06/28/11 DEPTH LANDED: 5867.67' KB HOLE SIZE: 7-7/8" CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. **TUBING** SIZE/GRADE/WT.; 2-7/8" / J-55 NO. OF JOINTS: 172 jts (5393.8') TUBING ANCHOR: 5406' KB NO. OF JOINTS: 1jts (31.30') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5440' KB NO. OF JOINTS: 2jts (62.50') TOTAL STRING LENGTH: EOT @ 5504.' KB Packer @ 4489' 4539-4553' 4753-4760 PERFORATION RECORD 5424-5434' 4 JSPF 4925-4933' 5180-5191' 4 JSPF 44 holes 4925-4933' 4 JSPF 32 holes 4753-4760' 4 JSPF 28 holes 5180-5191' 4539-4553' 4 JSPF 56 holes 5424-5434 NEWFIELD PBTD @ 5830' FEDERAL 15-19-9-16 TD @ 5891' 711' FSL & 1888' FEL SW/SE Section 19-T9S-R16E Duchesne Co, Utah

API #43-013-33162; Lease # UTU-74391

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
- 3. Test casing and packer.
- 4. Rig down and move out.

REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS RULE R615-5-1

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:
 - 2.1 The name and address of the operator of the project.

Newfield Production Company 1001 17th Street, Suite 2000 Denver, Colorado 80202

A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #15-19-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Federal #15-19-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3859' - 5830'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3527' and the TD is at 5891'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #15-19-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-74391) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS SECTION V – RULE R615-5-2

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24# surface casing run to 325' KB, and 5-1/2", 15.5# casing run from surface to 5868' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1901 psig.

2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #15-19-9-16, for existing perforations (4539' - 5434') calculates at 0.86 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1901 psig. We may add additional perforations between 3527' and 5891'. See Attachments G and G-1.

2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #15-19-9-16, the proposed injection zone (3859' - 5830') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

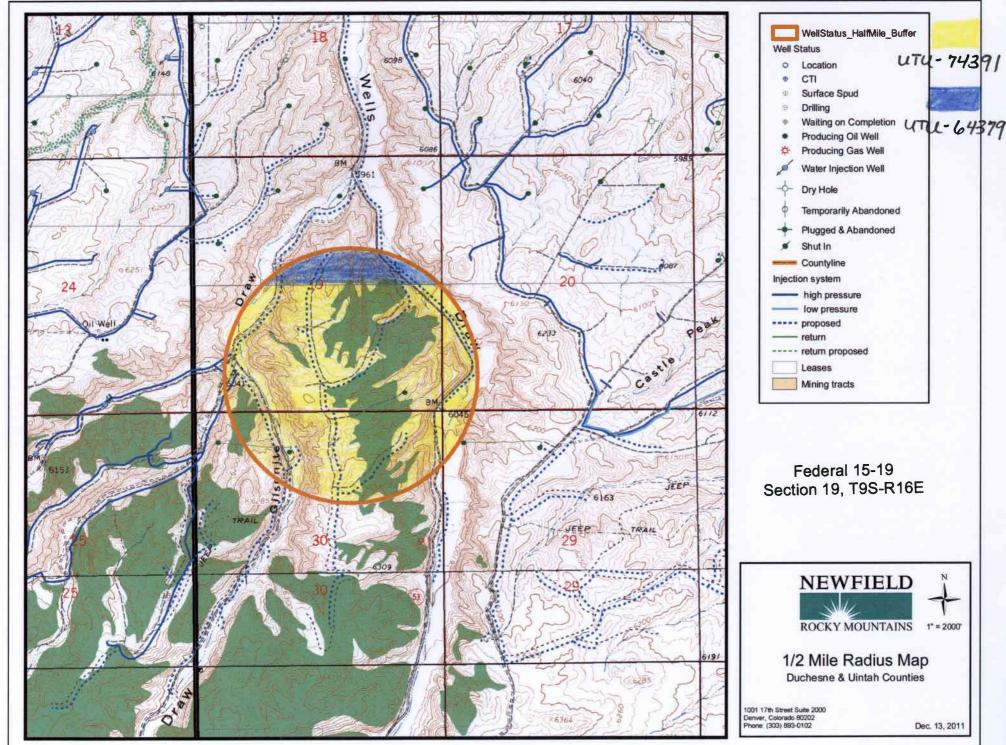
2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

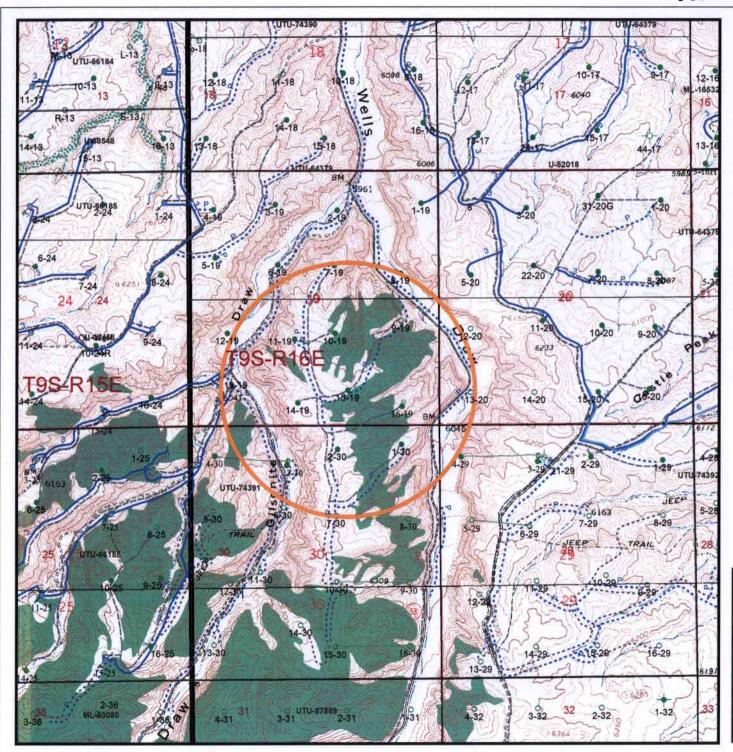
2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.

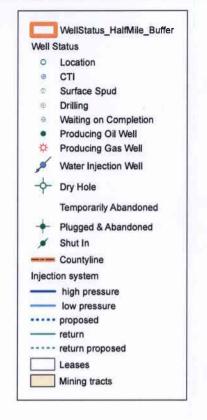
Newfield Production Company will supply any requested information to the Board or Division.

ATTACHMENT A



ATTACHMENT A





Federal 15-19 Section 19, T9S-R16E



1/2 Mile Radius Map
Duchesne & Uintah Counties

1001 17th Street Suite 2000 Denver, Colorado 80202 Phone: (303) 893-0102

Dec. 13, 2011

ATTACHMENT A-

T9S, R16E, S.L.B.&M.

2546.92' (Measured) S89'55'E - 78.31 (G.L.O.) S89'55'E G.L.O. (Basis of Bearings) S89'01'09"E - 2634.73' (Meas.) 30125 BRASS CAP ALUMINUM ALUMINUM LOT 1 2600. WELL LOCATION: 1.85,80.10N NO172'35 9 MILE 15-19-9-16 LOT 2 ELEV. UNGRADED GROUND = 6217.9' NORTH (G.L.O.) 1910 BRASS CAP BRASS CAP LOT 3 2641.13' DRILLING NO1.11.48"E MNDOW 1888 LOT 4 **BRASS** 1910 1910 CAP BRASS CAP BRASS CAP S89'01'44"E - 2551.48' (Meas.) S89'00'55"E - 2635.22' (Meas.) S89'56'E - 78.50 (G.L.O.)

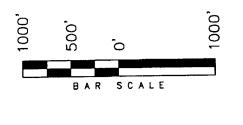
= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE) 9 MILE 15-19-9-16 (Surface Location) NAD 83 LATITUDE = 40°00'40.01" LONGITUDE = 110°09'33.90"

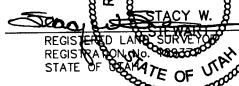
NO.03'W (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 15-19-9-16, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 19, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT OF ABOVE PEAT WAS PREPARED FROM FIELD ROTES OF ACTUM, SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND SORRECT TO THE BEST OF MY KNOWLEDGE AND SELIES NO.189377



TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

(188) 787 2881					
DATE SURVEYED: 4-3-06	SURVEYED BY: C.M.				
DATE DRAWN: 4-10-06	DRAWN BY: M.W.				
REVISED:	SCALE: 1" = 1000'				

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 19: E2SW, SE, LOTS 3, 4	UTU-74391	Newfield RMI LLC	
	Section 20: S2	НВР	ABO Petroleum Corporation	
	Section 29: ALL		MYCO Industries Inc	
	Section 30: ALL		OXY Y-1 Company	
			Yates Petroleum Coproration	
2	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 8: SWNE, SE	UTU-64379	Newfield RMI LLC	
	Section 9: SWSW	НВР	Yates Petroleum Coproration	
	Section 17: NE			
	Section 18: E2SW, SE, LOTS 3,4			
	Section 19: NE, E2NW, LOTS 1, 2			
	Section 21: N2			
	Section 22: W2NE, SENE, NW			

Federal 15-19 Page 1 of 1

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.
Signed: Newfield Production Company Eric Sundberg Regulatory Lead
Sworn to and subscribed before me this 23 day of March, 2012.
Notary Public in and for the State of Colorado: Andice L. Duitty
My Commission Expires O2/10/2013 My Commission Expires

ATTACHMENT E

FEDERAL 15-19-9-16

Spud Date: 10/29/07 Initial Production: BOPD. Put on Production: 02/07/08 Wellbore Diagram MCFD, BWPD GL:6218' KB:6230' SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" Frac CP1 sands as follows: TOC @ 166' 02/01/08 5424-5434' 19731# 20/40 sand in 327 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 1909 psi w/avg rate of 15.2 BPM. ISIP 2009 psi. WEIGHT: 24# 02/01/08 5180-5191' Frac LODC sands as follows: LENGTH: 7 jts. (312.36') Casing Shoe @ 325' 29863# 20/40 sand in 404 bbl Lightning 17 DEPTH LANDED: 324,84' KB frac fluid. Treated @ avg press of 2361 psi w/avg rate of 22.1 BPM. ISIP 2460 psi. HOLE SIZE:12-1/4" 02/01/08 4925-49333 Frac A1 sands as follows: CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf. 15194# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2440 psi w/avg rate of 21.6 BPM. ISIP 2237 psi. 02/01/08 4753-4760' Frac B.5 sands as follows: 25716# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 2072 psi w/avg rate of 22.0 BPM. ISIP 2020 psi. 02/01/08 4539-4553 Frac D1 sands as follows: PRODUCTION CASING 46601# 20/40 sand in 439 bbls Lightning 17 frac fluid. Treated @ avg press of 1712 psi w/avg rate of 22.0 BPM. ISIP 1930 psi. CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# 10/2/09 Tubing Leak. Updated rod &tubing detials. LENGTH: 136 jts. (5854.09') 06/28/11 Parted Rods. Rods & tubing updated. DEPTH LANDED: 5867.67' KB HOLE SIZE: 7-7/8" CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. **TUBING** SIZE/GRADE/WT.: 2-7/8" / J-55 NO. OF JOINTS: 172 jts (5393.8') TUBING ANCHOR: 5406' KB NO. OF JOINTS: 1jts (31,30') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5440' KB NO. OF JOINTS: 2jts (62.50') TOTAL STRING LENGTH: EOT @ 5504.' KB 4539-4553 4753-4760' PERFORATION RECORD SUCKER RODS 5424-5434' 4 JSPF 40 holes 4925-4933' 5180-5191' 4 JSPF 44 holes POLISHED ROD: 1-1/2" x 26' SM polished rods 4925-4933' 4 JSPF 32 holes SUCKER RODS:1-4', 6', 8' X 7/8" Pony Rods, 77-3/4" 4 per guided rods, 5180-5191' 4753-4760' 4 JSPF 28 holes 132-3/4" guided rods, 6-1 1/2" sinker bars. 4539-4553' 4 JSPF 56 holes PUMP SIZE: CDI 2-1/2" x 1-1/4" x 16' x 20' RHAC Anchor @ 5406' STROKE LENGTH: 102" PUMP SPEED, 5 SPM: 5424-5434' EOT @ 5504' NEWFIELD PBTD @ 5830' FEDERAL 15-19-9-16 TD @ 5891' 711' FSL & 1888' FEL

SW/SE Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33162; Lease # UTU-74391

Attachment E-1

FEDERAL 7-19-9-16

Spud Date: 09/25/07 Put on Production: 12/06/07 GL: 6137' KB: 6149'

1958'FNL & 2161' FEL
SW/NE Section 19-T9S-R16E
Duchesne Co, Utah
API #43-013-33158; Lease # UTU-64379

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

FRAC JOB SURFACE CASING CSG SIZE: 8-5/8" 11/19/07 5410-5434* Frac LODC sands as follows: 109202# 20/40 sand in 819 bbls Lightning 17 GRADE: J-55 Cement Top @ 175' frac fluid. Treated @ avg press of 2224 psi WEIGHT: 24# w/avg rate of 23.1 BPM. ISIP 2660 psi. Calc flush: 5408 gal. Actual flush: 4906 gal. LENGTH: 7 jts. (312,36') Frac LODC sands as follows: 11/28//07 5259-52663 DEPTH LANDED: 316,01' KB Casing Shoe @ 316' 39849# 20/40 sand in 409 bbl Lightning 17 frac fluid. Treated @ avg press of 2270 psi w/avg rate of 22.9 BPM. ISIP 2197 psi. Calc HOLE SIZE:12-1/4" CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf. flush: 5257 gal. Actual flush: 4759 gal. Frac A.5 sands as follows: 11/28/07 4916-49233 190567# 20/40 sand in 298 bbls Lightning 17 frac fluid. Treated @ avg press of 2017 psi w/avg rate of 23.1 BPM. ISIP 2175 psi. Calc flush: 4914 gal. Actual flush: 4410 gal. 11/28/07 4843-48483 Frac B1 sands as follows: PRODUCTION CASING 14207# 20/40 sand in 260 bbls Lightning 17 frac fluid. Treated@ avg press of 2112 psi CSG SIZE: 5-1/2" w/avg rate of 23.1 BPM. ISIP 1944 psi. Calc GRADE: J-55 flush: 4842 gal. Actual flush: 4343 gal. WEIGHT: 15.5# 11/28/07 4564-4579 Frac D1 sands as follows: 79967# 20/40 sand in 617 bbls Lightning 17 LENGTH: 138 jts. (5929.84') frac fluid. Treated @ avg press of 1666 psi DEPTH LANDED: 5943.09' KB w/avg rate of 23.1 BPM. ISIP 1984 psi. Calc flush: 4564 gal. Actual flush: 4579 gal. Frac GB6 & GB4 sands as follows: 11/28/07 4564-4579' CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. 39102# 20/40 sand in 395 bbls Lightning 17 CEMENT TOP: 175 frac fluid. Treated @ avg press of 1725 psi w/avg rate of 23.1 BPM. ISIP 1731 psi. Calc flush: 4562 gal. Actual flush: 3990 gal. TUBING 5/5/09 Pump Change. Updated r & t details. SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 172 jts (5412.80') TUBING ANCHOR: 5412.80' KB NO. OF JOINTS: 1 jts (31.50') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5447.10' KB NO. OF JOINTS: 2 jts (62.06') TOTAL STRING LENGTH: EOT @ 5510.71' KB PERFORATION RECORD SUCKER RODS 10/11/07 4584-4598' 4 JSPF 56 holes 4081-4087 10/11/07 4828-4837' 4 ISPF 16 holes POLISHED ROD: 1-1/2" x 26' SM polished rods 10/11/07 4976-4985' 4 JSPF 36 holes 4119-4128 SUCKER RODS:1-4', & 1-6' x 3/4"" pony rods, 1-3/4" slick rod 100-3/4" 10/11/07 5236-5272' 4 JSPF 144 holes scrapered rods, 90-3/4" plain rods, 20-3/4" scrapered rods, 6-1 1/2" weight rods. 4564-4579 10/11/07 5649-5658' 4 JSPF PUMP SIZE: CDI 2-1/2" x 1-1/2" x 17'x 20' 'RHAC STROKE LENGTH: 100" 4843-4848 PUMP SPEED, 5 SPM: 4916-4923 5259-5266 Anchor @ 5413' 5410-5434' SN 5447 EOT @ 5511' PBTD @ 5837' NEWFIELD SHOE @ 5943' FEDERAL 7-19-9-16 TD @ 5950

ATTACHMENT E-2

Federal 8-19-9-16

Spud Date: 10-25-07 Put on Production: 12-6-07 GL: 5984' KB: 5996'

API #43-013-33101; Lease #UTU-

Wellbore Diagram

FRAC JOB SURFACE CASING CSG SIZE: 8-5/8" Frac CP3 sands as follows: 11-20-07 5486-5502 Frac with 54412# 20/40 sand in 517bbls GRADE: J-55 Lightning 17 fluid. Treat at 2115 psi @ Cement Top@ 79 WEIGHT: 24# 24.8 BPM. ISIP 2280 psi. LENGTH: 7 jts. (309.39') 11-20-07 5252-5260 Frac LODC sands as follows: Frac with 29857# 20/40 sand in 395 bbls HOLE SIZE: 12-1/4" Lightning 17 fluid. Treat at 2503psi @ CEMENT DATA: 160 sxs Class "G" cmt 24.8 BPM. ISIP 2588psi. 5008-5020 Frac LODC sands as follows: 11-21-07 Frac with 40138# 20/40 sand in 375 bbls Lightning 17 fluid. Treat at 2470psi @ 24.8 BPM. ISIP 2715 psi. Frac C sand as follows: 11-21-07 4572-4584 Frac with 14617# 20/40 sand in 263 bbls Lightning 17 fluid. Treat at 2150 psi @ 24.8 BPM. ISIP 1945 psi. PRODUCTION CASING Frac D3 sands as follows: Frac with 34878# 20/40 sand in 496 11-21-07 4502-4510 CSG SIZE: 5-1/2' bbls Lightning 17 fluid. Treat at 2443 psi GRADE: J-55 @ 23.5 BPM. ISIP 2230 psi. WEIGHT: 15.5# 11-28-07 4420-4427 Frac D1 sands as follows: LENGTH: 150jts. (5808.14') Frac with 55428# 20/40 sand in 553 bbls Lightning 17 fluid. Treat at 2201 psi @ 23.9 BPM. ISIP 2142 psi. HOLE SIZE: 7-7/8" DEPTH LANDED: 5808.64' 4420-4427 2/12/2010 Pump change. Updated rod and tubing. CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ CEMENT TOP AT: 79' 4502-4510 **TUBING** SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# 4572-4584' NO. OF JOINTS: 174 jts (5464.5') TUBING ANCHOR: 5464.5' NO. OF JOINTS: 1 jts (31.40') SEATING NIPPLE: 2-7/8" (1.10') 4760-4765 SN LANDED AT: 5498.7' KB NO. OF JOINTS: 2 jts (62.90') TOTAL STRING LENGTH: EOT @ 5563.0' 4794-4802' 5008-5020 SUCKER RODS POLISHED ROD: 1-1/2" x 26' SUCKER RODS: 99-34" guided rods, 95-34" guided rods, 20-34" guided rods, 6-1 1/2" weight rods PUMP SIZE: 2-1/2" x 1-1/2" x16' x 20' RHAC pump w/ SM plunger STROKE 5252-5260' LENGTH: 74' PUMP SPEED SPM: 5.5 Anchor @ 5465' PERFORATION RECORD 5486-5502' 4420-4427' 4 JSPF 28 holes SN @ 5499' 4502-4510 4 JSPF 32 holes 4572-4584' 4 JSPF 48 holes 4760-4765 4 ISPE 20 holes 4794-4802' 4 JSPF 32 holes В EOT @ 5563' 5008-5020 4 JSPF 5252-5260' 4 JSPF 32 holes 5486-5502' 4 JSPF 64 holes NEWFIELD PBTD @ 5768' SHOE @ 5809' Federal 8-19-9-16 TD @ 5800' 2136' FNL & 785' FEL SENE Section 19-T9S-R16E Duchesne Co, Utah

Attachment E-3

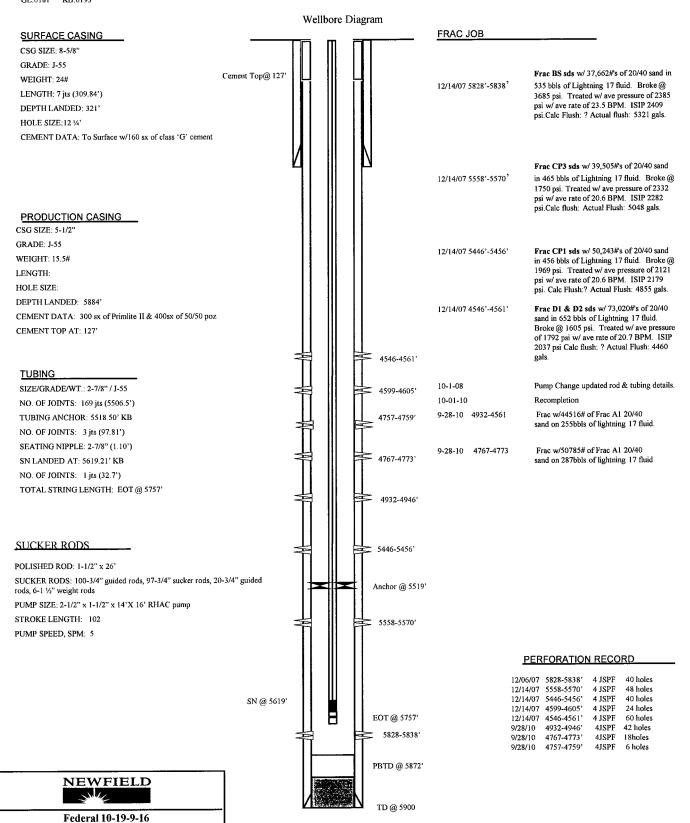
Spud Date: 9/27/2007 Put on Production: 1/9/2008 GL:6181' KB:6193'

> 1890' FSL & 2146' FEL NW/SE Section 19-T9S-R16E

Duchesne Co, Utah API #43-013-33159; Lease #UTU-74391

Federal 10-19-9-16

Initial Production: BOPD, MCFD, BWPD



Federal 11-19-9-16

Spud Date: 10-09-07 Put on Production: 1-8-08 GL: 6199' KB: 6211'

API #43-013-33160; Lease #UTU-74391

Wellbore Diagram

FRAC JOB SURFACE CASING 12-26-07 5558-5574 Frac CP2 sands as follows: CSG SIZE: 8-5/8" Frac with 59775# 20/40 sand in 533bbls GRADE: J-55 Lightning 17 fluid. Treat at 1825 psi @ 23 BPM. ISIP 2111 psi. WEIGHT: 24# Frac LODC sands as follows: LENGTH: 7 its. (308.49') 12-26-07 5380-5400 Frac with 59263# 20/40 sand in 528 bbls HOLE SIZE: 12-1/4" Cement Top@ 224 Lightning 17 fluid. Treat at 2001psi @ CEMENT DATA: 160 sxs Class "G" cmt 23.1 BPM. ISIP 2364psi. Frac LODC sands as follows: Frac with 75331# 20/40 sand in 618 bbls Lightning 17 fluid. Treat at 2507 psi 12-27-7 5064-5080* @ 29.1 BPM. ISIP 2905 psi. 12-27-07 4938-4984 Frac A3 &A1 sand as follows: Frac with 110221# 20/40 sand in 881 bbls Lightning 17 fluid. Treat at 1743 psi @ 23 BPM. ISIP 2079 psi. PRODUCTION CASING Frac B.5 sands as follows: 12-27-07 4784-4790 CSG SIZE: 5-1/2' Frac with20091# 20/40 sand in 301 bbls Lightning 17 fluid. Treat at 2034 psi GRADE: J-55 @ 23 BPM. ISIP 2027 psi. WEIGHT: 15.5# 4010-4030 12-27-07 4548-4558' Frac D1 sands as follows: LENGTH: 162jts. (5892.20') Frac with 50552# 20/40 sand in 442 bbls Lightning 17 fluid. Treat at 1639 psi HOLE SIZE: 7-7/8" @ 23.1 BPM. ISIP 2088 psi. DEPTH LANDED: 5905.45' CEMENT DATA: 300 sk Prem. Lite 11 mixed & 450 sxs 50/50 POZ 12-27-07 4010-4030 Frac GB4 sands as follows: CEMENT TOP AT: 224' Frac with 44039# 20/40 sand in 416 bbls Lightning 17 fluid. Treat at 1391 psi 4548-4558' @ 23 BPM. ISIP 1434 psi 9-16-08 Parted rod. Updated rod & tubing details. TUBING Tubing Leak. Updated r & t details. 6/15/09 4784-4790' SIZE/GRADE/WT.: 2-7/8" / J-55 NO. OF JOINTS: 176 jts (5518.06') 4938-4954 TUBING ANCHOR: 5530.063 4971-4984 NO. OF JOINTS: 1 jts (30.86') SEATING NIPPLE: 2-7/8" (1.10') 5064-5080' SN LANDED AT: 5563.72' NO. OF JOINTS: 2 its (62.70') TOTAL STRING LENGTH: EOT @ 5627.97' SUCKER RODS POLISHED ROD: 1-1/2" x 26" 5380-5400' SUCKER RODS: 1-4' x 3/4" pony rods, 7-3/4" plain rods, 88-3/4" guided rods, 92-3/4" slick rods, 35-3/4" guided rods, 6-1 1/2" weight rods. PUMP SIZE: 2 1/2"" x 1 1/2" x 16" x 20 RHAC Pump STROKE LENGTH: 102" PUMP SPEED, SPM:5 Anchor @ 5530' PERFORATION RECORD 5558-5574" 4010-4030' 80 holes 4548-4558' 40 holes SN @ 5564' 4784-4790' 4 ISPF 24 holes 4938-4954' 4 JSPF 64 holes 4971-4984' 4 JSPF 52 holes EOT @ 5628' 5064-5080' 4 JSPF 64 holes 5380-5400' 4 JSPF 80 holes 5558-5574" 4 JSPF 64 holes NEWFIELD PBTD @ 5859' SHOE @ 5581' Federal 11-19-9-16 TD @ 59283 1778' FSL & 2197' FWL NESW Section 19-T9S-R16E Duchesne Co, Utah

ATTACHMENT E-5

Federal 13-19-9-16

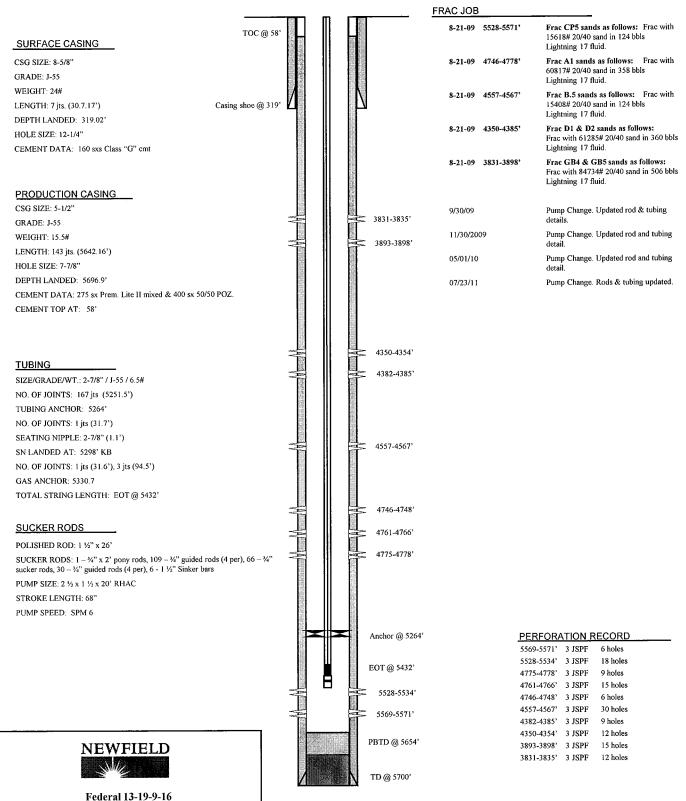
Spud Date: Put on Production:

GL: 6044' KB: 6056'

847' FSL & 657' FWL SWSW Section 19-T9S-R16E Duchesne Co, Utah

API # 43-013-33103; Lease # UTU-74391

Wellbore Diagram



Attachment E-6

FEDERAL 14-19-9-16

Spud Date: 01/23/07 Initial Production: BOPD. Put on Production: 02/27/07 Wellbore Diagram MCFD, BWPD GL: 6245' KB: 6257' SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" 02/21/07 5452-5460 Frac CP1 sands as follows: 34903# 20/40 sand in 471 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2080 psi WEIGHT: 24# w/avg rate of 24.8 BPM. ISIP 1839 psi. Calc Cement Top @ 136' flush: 5450 gal. Actual flush: 4872 gal. LENGTH: 7 jts. (310.59') 02/21/07 4976-4989 Frac A1 sands as follows: DEPTH LANDED: 322.44' KB 80502# 20/40 sand in 597 bbls Lightning 17 frac fluid. Treated @ avg press of 2245 psi HOLE SIZE:12-1/4" w/avg rate of 24.6 BPM. ISIP 2369 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 2.25 bbls cmt to surf. flush: 4974 gal. Actual flush: 4536 gal. Frac B1 & B2 sands as follows: 159255# 20/40 sand in 1026 bbls Lightning17 02/22/07 4780-4852 frac fluid. Treated @ avg press of 1675 psi w/avg rate of 24.8 BPM. ISIP 1790 psi. Calc flush: 4778 gal. Actual flush: 4662 gal. 03-29-07 Pump Change Rod & Tubing details updated. PRODUCTION CASING 01/28/11 Parted Rods. Rod & tubing updated CSG SIZE: 5-1/2' GRADE: J-55 WEIGHT: 15.5# LENGTH: 137 jts. (5979.73') DEPTH LANDED: 5992.98' KB HOLE SIZE: 7-7/8" CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ CEMENT TOP: 136 **TUBING** SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 174 jts (5415.22') TUBING ANCHOR: 5427.' KB NO. OF JOINTS: 2 jts (60.30') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5490' KB NO. OF JOINTS: 2 jts (60.4') TOTAL STRING LENGTH: EOT @ 5552.' KB PERFORATION RECORD 4780-4792 SUCKER RODS 02/16/07 5452-5460' 4 JSPF 32 holes POLISHED ROD: 1-1/2" x 22' SM polished rods 02/21/07 4976-4989' 4 JSPF 52 holes 4843-4852 SUCKER RODS: 1-2' & 1-6,' x 3/4" pony rods, 99-3/4" 4 per guided rods, 103-3/4" sucker rods, 10-3/4" 4 per guided rods, 6-1 ½" x sinker bars, 1-1"x 4" 02/21/07 4843-4852 4 JSPF 36 holes 02/21/07 4780-4792' 4 JSPF 48 holes pony rod, 1-3/4" x 8' pony rod 4976-4989 PUMP SIZE: CDI 2-1/2" x 1-1/2"x12' x 16' RHAC STROKE LENGTH: 86" PUMP SPEED, 4. SPM: Anchor @ 5427' 5452-5460' EOT @ 5552' PBTD @ 5990' NEWFIELD FEDERAL 14-19-9-16 TD @ 6000' 452'FSL & 2258' FWL SE/SW Section 19-T9S-R16E

Duchesne Co, Utah
API #43-013-33161; Lease # UTU-74391

ATTACHMENT E-7

FEDERAL 16-19-9-16

Spud Date: 10/31/07 Put on Production: 02/19/08 GL: 6180' KB: 6192'

Duchesne Co, Utah
API #43-013-33163; Lease # UTU-74391

Wellbore Diagram

SURFACE CASING FRAC JOB CSG SIZE: 8-5/8" Frac LODC sands as follows: 02/08/08 5113-5124' 50640# 20/40 sand in 476 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2517 psi w/avg rate of 22 BPM. ISIP 2765 psi. WEIGHT: 24# Cement Top @ 114 02/08/008 4888-4897 Frac A1 sands as follows: LENGTH: 7 jts. (312.36') 30199# 20/40 sand in 394 bbl Lightning 17 frac fluid. Treated @ avg press of 2251 psi w/avg rate of 19.2 BPM. ISIP 2240 psi. Frac C sands as follows: DEPTH LANDED: 324.64' KB HOLE SIZE: 12-1/4" 02/08/08 4664-4672' CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf. 34297# 20/40 sand in 404 bbls Lightning 17 frac fluid. Treated@ avg press of 2310 psi w/avg rate of 27.6 BPM. ISIP 1950 psi. 02/09/08 4514-4520' Frac D1 sands as follows: 28511# 20/40 sand in 381 bbls Lightning 17 frac fluid. Treated@ avg press of 2109 psi w/avg rate of 27.2 BPM. ISIP 1930 psi. PRODUCTION CASING Pump Change. Updated rod & tubing details. CSG SIZE: 5-1/2' 8/12/08 GRADE: J-55 6/1/09 Tubing Leak. Updated r & t details. WEIGHT: 15.5# 1/31/11 Tubing Leak. Update rod and tubing details. LENGTH: 136 jts. (5805.80°) 03/02/11 4279-4298' Frac PB11 sands as follows: 61895# 20/40 sand in 365 bbls Lightning 17 fluid. DEPTH LANDED: 5819.05' KB 03/04/11 Recompletion Finalized - update rod & tbg HOLE SIZE: 7-7/8" detail CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. CEMENT TOP: 114' TUBING SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 164 jts (5253.1') TUBING ANCHOR: 5265.1' KB NO. OF JOINTS: 1jts (31.3') SEATING NIPPLE: 2-7/8" (1.10') 4279-4281 SN LANDED AT: 5299.2' KB 4288-42903 NO. OF JOINTS: 2 jts (62.9') 4294-4298 TOTAL STRING LENGTH: EOT @ 5364' KB 4514-4520 PERFORATION RECORD SUCKER RODS 4664-4672 5113-5124' 4 JSPF 24 holes 4888-4897' 4 JSPF 36 holes POLISHED ROD: 1 1/2" x 26' 4664-4672' 4 JSPF 32 holes SUCKER RODS: 1-2', 1-4', 1-8' x 7/8" pony rods, 81-7/8" guided rods, 119- 34" guided rods, 6- 1 15" weight bars, 1-1" x 4' stabilizer bar 4514-4520' 4 JSPF 24 holes 4888-4897 PUMP SIZE: 2 1/2" x 1 3/4" x 16' x 20' RHAC pump 03/02/11 4279-4281' 3 JSPF 6 holes STROKE LENGTH: 122 03/02/11 4288.4290' 3 JSPF 6 holes PIMP SPEED, SPM: 5 SPM 03/02/11 4294-4298' 3 JSPF 12 holes 5113-5124' Anchor @ 5265' EOT @ 5364' NEWFIELD PBTD @ 5774' Ship SHOE @ 5819' FEDERAL 16-19-9-16 TD @ 5900' 467' FSL & 733' FEL SE/SE Section 19-T9S-R16E

Federal 1-30-9-16

Spud Date: 5/28/2009 Put on Production: 7/6/2009 GL: 6214' KB: 6226'

Wellbore Diagram

Cement top @ 72'

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts (269') DEPTH LANDED: 320' KB HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sx class 'g' cmt

FRAC JOB

4544-4550'

4663-4667 4673-4677

4908-4914'

4924-4927

Anchor @ 5172'

5184-5194'

PBTD @ 5803'

TD @ 5865'

EOT @ 5269'

07-07-09 5184-5194' Frac LODC sands as follows: Frac with 45269# 20/40 sand in 289 bbls of Lightning 17 fluid.

07-07-09 4908-4927 Frac A1 sands as follows: Frac with 100700# 20/40 sand in 596 bbls of Lightning 17 fluid.

07-07-09 4663-4677 Frac C sands as follows: Frac with 55268# 20/40 sand in 343 bbls of Lightning 17 fluid.

07-07-09 4544-4550 Frac D1 sands as follows: 14925# 20/40 sand in 244 total bbls of fluid inc Lightning 17 fluid.

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 140 jts (5791') HOLE SIZE: 7-7/8" DEPTH LANDED: 5843.37'

CEMENT DATA: 275 sx Prem. Lite and 400 sx 50/50 poz

CEMENT TOP AT: 72'

TUBING

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 167 jts (5160') TUBING ANCHOR: 5172' KB NO. OF JOINTS: 1 jt (30.3') SEATING NIPPLE: 2-7/8" (1.1') SN LANDED AT: 5205' KB NO. OF JOINTS: 2 jts (63.0') TOTAL STRING LENGTH: EOT @ 5269'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26'

SUCKER RODS: 101 - 34" guided rods, 81-34" sucker rods, 20-34" guided

SN @ 5205

rods, 6-1 1/2" weight bars.

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC

STROKE LENGTH: 86" PUMP SPEED, SPM: 5

PERFORATION RECORD

5184-5194' 3 JSPF 30 holes 4924-4927' 3 JSPF 9 holes 4908-4914 3 JSPF 18 holes 4673-4677 3 JSPF 12 holes 4663-4667' 3 JSPF 12 holes 4544-4550' 3 JSPF 18 holes



Federal 1-30-9-16

419' FNL & 785' FEL

NE/NE Section 30-T9S-R16E

Duchesne Co, Utah

API # 43-013-33452; Lease # UTU-74391

Federal 2-30-9-16

Spud Date: 6/8/2009 Put on Production: 7/10/2009 GL: 6238' KB: 6250'

Wellbore Diagram

Cement top @ 54

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts (269') DEPTH LANDED: 317' KB HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 148 jts (5812') DEPTH LANDED: 5862' HOLE SIZE: 7-7/8"

CEMENT DATA: 275 sx Prem. Lite and 400 sx 50/50 poz

CEMENT TOP AT: 54'

TUBING

SIZE/GRADE/WT .: 2-7/8" / J-55 NO. OF JOINTS: 174 jts (5477') TUBING ANCHOR: 5489' KB NO. OF JOINTS: 1 jt (31.5') SEATING NIPPLE: 2-7/8" (1.1') SN LANDED AT: 5524' KB NO. OF JOINTS: 2 jts (63.3') TOTAL STRING LENGTH: EOT @ 5589'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod

SUCKER RODS: $1-2^x$ x ½", $1-4^x$ x ¾", $1-6^x$ x ¾" pony rods, 100- ¾" guided rods, 94-4" sucker rods, 2-4" guided rods, 6-1 ½" weight rods

PUMP SIZE: 2 1/2" x 1 1/2" x 20" RHAC

STROKE LENGTH: 86 PUMP SPEED - SPM: 5

5403-5410' Anchor @ 5489' 5512-5518 5525-5528 EOT @ 5589'

SN @ 5524'

4042-4052

4671-4675

4744-4752'

4904-4907

4910-4914

4922-4926

PBTD @ 5823'

TD @ 5865'

FRAC JOB

7/10/2009 5512-5528' Frac CP3 sands as follows: 14,703#'s of 20/40 sand in 130 bbls of Lightning 17 fluid. 7/10/2009 5403-5410 Frac CP1 sands as follows: 20,309#'s of 20/40 sand in 169 bbls of Lightning 17 fluid. 7/10/2009 4904-4926' Frac A1 sands as follows: 25,710#'s of 20/40 sand in 209 bbls of Lightning 17 fluid. Frac B.5 & C sands as follows: 125,658#'s of 20/40 sand in 758 7/10/2009 4671-4752' bbls of Lightning 17 fluid. 7/10/2009 4042-4052" Frac GB6 sands as follows: 106,827#'s of 20/40 sand in 651 bbls of Lightning 17 fluid.

PERFORATION RECORD

5525-5528' 3 JSPF 9 holes 5512-5518' 3 JSPF 18 holes 5403-5410' 3 JSPF 21 holes 4922-4926' 3 JSPF 12 holes 4910-4914' 3 JSPF 12 holes 4904-4907' 3 JSPF 9 holes 4744-4752' 3 JSPF 24 holes 4671-4675' 3.JSPF 12 holes 4042-4052' 3 JSPF 30 holes



Federal 2-30-9-16

517' FNL & 2110' FEL NW/NE

Section 30-T9S-R16E

Duchesne Co, Utah

API # 43-013-33453; Lease # UTU-74391

Federal 3-30-9-16

Spud Date: 5/16/2009 Put on Production: 7/1/2009 GL: 6067' KB: 6079'

Wellbore Diagram

4482-4486

4536-4540

4600-4606

4708-4718

4994-5004

5210-5216'

Anchor @ 5300'

5333-5336'

5339-5344'

PBTD @ 5664'

TD @ 5710'

EOT @ 5396'

Cement top @ 54

SN @ 5334'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (277')
DEPTH LANDED: 328' KB
HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 152 jts (5704')
DEPTH LANDED: 5704'
HOLE SIZE: 7-7/8"

CEMENT DATA: 280 sx Prem. Lite and 400 sx 50/50 poz

CEMENT TOP AT: 54'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 NO. OF JOINTS: 172 jts (5288') TUBING ANCHOR: 5300' KB NO. OF JOINTS: 1 jt (30.3') SEATING NIPPLE: 2-7/8" (1.1') SN LANDED AT: 5333.3' KB NO. OF JOINTS: 2 jts (61.6')

TOTAL STRING LENGTH: EOT @ 5396

SUCKER RODS

POLISHED ROD: 1 1/2" x 26'

SUCKER RODS: 100 - ½" 4per guided rods, 68- ½" sucker rods, 39- ½" 4per guided rods, 6- 1 ½" weight bars.

PUMP SIZE: 2 1/2" x 1 1/2" x 16' x 20' RHAC

STROKE LENGTH: 120 PUMP SPEED, SPM: 4

NEWFIELD

Federal 3-30-9-16

749' FNL & 2042' FWL NE/NW
Section 30-T9S-R16E
Duchesne Co, Utah
API # 43-013-33454; Lease # UTU-74391

FRAC JOB 7/2/2009 53

7/2/2009 5333-5344' Frac CP3 sands as follows:

15,090#'s of 20/40 sand in 125 bbls of Lightning 17 fluid.

7/2/2009 5210-5216' Frac CP1 sands as follows:

15,050#'s of 20/40 sand in 122 bbls of Lightning 17 fluid.

7/2/2009 4994-5004' Frac LODC sands as follows:

40,814#'s of 20/40 sand in 263 bbls

of Lightning 17 fluid.

7/2/2009 4708-4718' Frac A1 sands as follows:

55,392#'s of 20/40 sand in 348 bbls

of Lightning 17 fluid.

7/2/2009 4482-4606' Frac B2

Frac B2/B.5/C sands as follows: 127,786#'s of 20/40 sand in 765 bbls of Lightning 17 fluid.

1/28/2012 Parted rods: Updated tubing & rod

detail

PERFORATION RECORD

5339-5344' 3 JSPF 15 holes 5333-5336' 3 JSPF 9 holes 5210-5216 3 JSPF 18 holes 3 JSPF 30 holes 4994-5004 4708-4718 3 JSPF 30 holes 4600-4606' 3 JSPF 18 holes 4536-4540' 3 JSPF 12 holes 4482-4486' 3 JSPF 12 holes

Attachment E-11

Federal 4-30-9-16

Spud Date: 8-15-10 Wellbore Diagram Put on Production:9-23-10 FRAC JOB GL:6068 ' KB:6080 ' 9-14-10 5141-5191' Frac LODC sands as follows:Frac with 46141# 20/40 sand in 292 bbls SURFACE CASING lightning17 fluid. Cement Top @ 92' 9-18-10 4880-4894' Frac A1 sands as follows: Frac with 63340# 20/40 sand in 420 bbls Lightning CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 8 jts. (335.81') DEPTH LANDED: 349.66 HOLE SIZE: 12-1/4" CEMENT DATA: 180 sxs Class "G" cmt PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 141 jts. (5942.38') HOLE SIZE: 7-7/8" DEPTH LANDED: 5958.38' CEMENT DATA: 250 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. CEMENT TOP AT: 92' **4880-4894** <u>TUBING</u> SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 165jts 5154.4') TUBING ANCHOR: 5167.4' 5141-5145 PERFORATION RECORD NO. OF JOINTS: 1 jts (31.4') SEATING NIPPLE: 2-7/8" (1.1') 5186-5191' 3 JSPF SN LANDED AT: 6738.3' KB 5177-5179' 3 JSPF 6 holes NO. OF JOINTS: 2jts (62.8') 5172-5174' 3 JSPF 6holes TOTAL STRING LENGTH: EOT @5266 ' 5141-5145' 3 JSPF 12 holes **5172-5174** 4880-4894' 3 JSPF 42 holes SUCKER RODS POLISHED ROD: 1-1/2" x 30" SUCKER RODS: 202-4 per guided rods, 4- 1 1/2" weight bars PUMP SIZE: 2 1/2 x 1 3/4' x 24' RHAC STROKE LENGTH: 144 PUMP SPEED: SPM 5 Anchor @ 5167' 5177-5179° 5186-5191 SN @ 5202' EOT @5266 ' PBTD @ 5869' **NEWFIELD**

TD @ 5965'

NEWFIELD

Federal 4-30-9-16

769'FNL & 2034'FWL (NE/NW) Section 30, T9S, R16 Duchesne Co, Utah API # 43-013-33470; Lease # UTU-74391

Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078

ATTACHMENT F

multi-chem^{*}

A HALLIBURTON SERVICE

Water Analysis Report

Production Company: NEWFIELD PRODUCTION

Well Name:

SWDIF

Sample Point:

After production filter

Sample Date: Sample ID:

12/9/2011 WA-204150 Sales Rep: Darren Betts Lab Tech: Gary Peterson

Scaling potential predicted using ScaleSoftPitzer from

Brine Chemistry Consortium (Rice University)

Sample Specifi	CS		Analysis @ Prop	perties in Sample Specifics	
Test Date:	12/9/2011	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	300.00	Sodium (Na):	6799.09	Chloride (CI):	10000.00
System Pressure 1 (psig):	3000.00	Potassium (K):	26.10	Sulfate (SO ₄):	2.00
System Temperature 2 (°F):	70.00	Magnesium (Mg):		Bicarbonate (HCO ₃):	1024.80
System Pressure 2 (psig):	14.70	Calcium (Ca):	26.80	Carbonate (CO ₃):	0.00
Calculated Density (g/ml):	1.01	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
pH:	8.20	Barium (Ba):	24.20	Propionic Acid (C2H5COO)	0.00
Calculated TDS (mg/L):	17913.62	Iron (Fe):	0.47	Butanoic Acid (C3H7COO)	0.00
CO2 in Gas (%):	0.00	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	0.00
Dissolved CO ₂ (mg/L)):	0.00	Lead (Pb):		Fluoride (F):	0.00
H ₂ S in Gas (%):	0.00	Ammonia NH3:		Bromine (Br):	0.00
H2S in Water (mg/L):	10.00	Manganese (Mn):		Silica (SiO ₂):	0.00

Notes:

(PTB = Pounds per Thousand Barrels)

			cium oonate	Bariun	n Sulfate		ron Ilfide		ron oonate	100	osum 4·2H2O		estite SO4		alite aCl		inc Ilfide
Temp (°F)	PSI	SI	РТВ	SI	PTB	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ
70	14	0.68	13.26	0.21	0.60	2.60	0.26	0.67	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.70	13.48	0.00	0.00	2.38	0.26	0.78	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.76	14.55	0.00	0.00	2.24	0.26	0.91	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.82	15.79	0.00	0.00	2.16	0.26	1.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.90	17.10	0.00	0.00	2.12	0.26	1.13	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.99	18.39	0.00	0.00	2.12	0.26	1.22	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	1.09	19.55	0.00	0.00	2.15	0.26	1.31	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	1.19	20.54	0.00	0.00	2.21	0.26	1.37	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	1.30	21.32	0.00	0.00	2.28	0.26	1.42	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	1.40	21.90	0.00	0.00	2.36	0.26	1.46	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Temp		Hemihydrate CaSO4~0.5H2 O		ydrate SO4		cium oride		Zinc conate		ead Ilfide		/lg icate		Mg icate		e cate
Temp (°F)	PSI	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.45	0.28	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.59	0.28	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.89	0.28	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	0.28	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.32	0.28	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.93	0.28	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.28	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	0.28	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.03	0.28	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Lead Sulfide

ATTACHMENT F

multi-chem

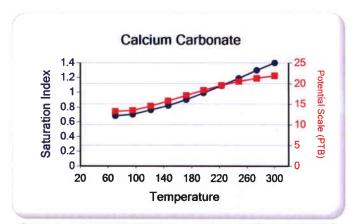
A HALLIBURTON SERVICE

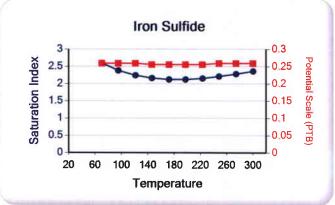
1553 East Highway 40

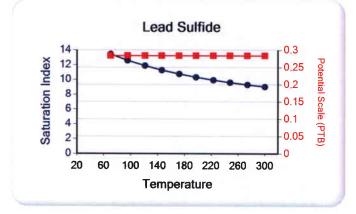
Vernal, UT 84078

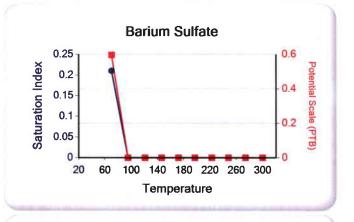
Vernal, UT 84078

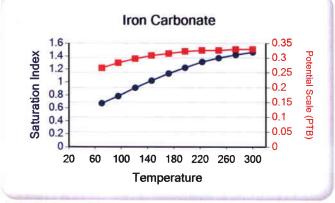
A HALLIBURTON S
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Lead Sulfide











Ethics

Multi-Chem Analytical Laboratory

ATTACHMENT F
3 of 4

multi-chem' A HALLIBURTON SERVICE

Water Analysis Report

Production Company:

1553 East Highway 40

Vernal, UT 84078

NEWFIELD PRODUCTION FEDERAL 15-19-9-16

Well Name: Sample Point: **Treater**

12/14/2011 Sample Date: Sample ID: WA-204728

Calcium

Barium Sulfate

Iron

Sales Rep: Darren Betts Lab Tech: Gary Peterson

Gypsum

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifi	cs		Analysis @ Prop	perties in Sample Specifics	
Test Date:	12/14/2011	Cations	mg/L	Anions	mp/L
System Temperature 1 (°F):	300.00	Sodium (Na):	7839.35	Chloride (CI):	11100.00
System Pressure 1 (psig):	3000.00	Potassium (K):	0.00	Sulfate (SO ₄):	112.00
System Temperature 2 (°F):	70.00	Magnesium (Mg):	6.30	Bicarbonate (HCO ₃):	1781.20
System Pressure 2 (psig):	14.70	Calcium (Ca):	13.90	Carbonate (CO ₃):	0.00
Calculated Density (g/ml):	1.01	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
pH:	8.70	Barium (Ba):	17.00	Propionic Acid (C2H5COO)	0.00
Calculated TDS (mg/L):	20930.10	Iron (Fe):	59.30	Butanoic Acid (C3H7COO)	0.00
CO2 in Gas (%):	0.00	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	0.00
Dissolved CO ₂ (mg/L)):	0.00	Lead (Pb):	0.00	Fluoride (F):	0.00
H ₂ S in Gas (%):	0.00	Ammonia NH3:	0.00	Bromine (Br):	0.00
H2S in Water (mg/L):	0.50	Manganese (Mn):	1.05	Silica (SiO ₂):	0.00

Iron

Notes:

P=0.63mg/l

(PTB = Pounds per Thousand Barrels)

Halite

Zinc

Celestite

	Carb	onate			ou	ilide	Cart	onate	Casu	4.2020	011	504	IN.	اعا	Ou	mue
PSI	SI	РТВ	SI	PTB	SI	PTB	SI	РТВ	SI	РТВ	SI	РТВ	SI	РТВ	SI	PTB
14	1.07	11.00	1.72	9.91	3.92	0.45	3.47	43.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
346	1.10	11.06	1.48	9.76	3.69	0.45	3.58	43.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
678	1.14	11.16	1.29	9.55	3.53	0.45	3.69	43.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1009	1.19	11.27	1.15	9.33	3.43	0.45	3.79	43.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1341	1.25	11.38	1.04	9.10	3.37	0.45	3.87	43.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1673	1.32	11.50	0.96	8.90	3.35	0.45	3.95	43.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	1.39	11.61	0.91	8.74	3.36	0.45	4.01	43.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2336	1.48	11.70	0.87	8.64	3.39	0.45	4.05	43.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2668	1.56	11.79	0.86	8.59	3.43	0.45	4.08	43.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000	1.64	11.85	0.86	8.60	3.48	0.45	4.09	43.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CaSO	4 [~] 0.5H2						****								Fe icate
PSI	SI	РТВ	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	14 346 678 1009 1341 1673 2004 2336 2668 3000 PSI 14 346 678 1009 1341 1673 2004 2336 2668	PSI 1.07 346 1.10 678 1.14 1009 1.19 1341 1.25 1673 1.32 2004 1.39 2336 1.48 2668 1.56 3000 1.64 Hemicaso PSI 14 0.00 346 0.00 678 0.00 1009 0.00 1341 0.00 1673 0.00 2004 0.00 2336 0.00 2668 0.00	PSI	PSI	PSI	SI	PSI	Name	PSI	SI PTB SI PTB	Name	PSI	PSI	PSI	PSI	PSI

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate

Multi-Chem Analytical Laboratory

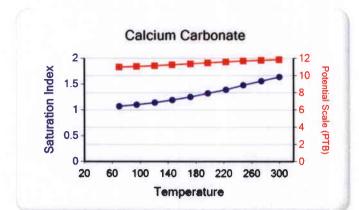
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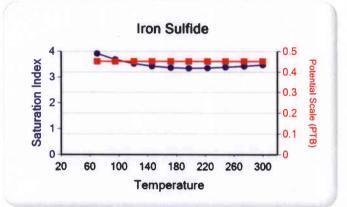
multi-chem

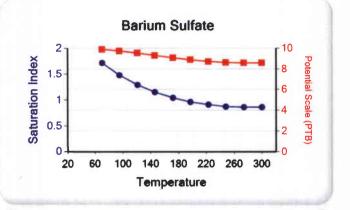
A HALLIBURTON SERVICE

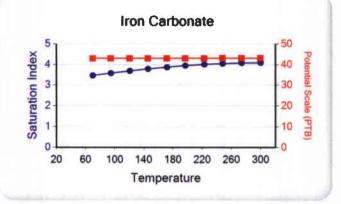
1553 East Highway 40 Vernal, UT 84078

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate









Attachment "G"

Federal #15-19-9-16 Proposed Maximum Injection Pressure

				Calculated	
Frac	Interval			Frac	
(fe	eet)	Avg. Depth	ISIP	Gradient	
Top	Bottom	(feet)	(psi)	(psi/ft)	Pmax
5424	5434	5429	2009	0.80	1974
5180	5191	5186	2460	0.91	2426
4925	4933	4929	2237	0.89	2205
4753	4760	4757	2020	0.86	1989
4539	4553	4546	1930	0.86	1901 ←
				Minimum	1901

Calculation of Maximum Surface Injection Pressure
Pmax = (Frac Grad -(0.433*1.015)) x Depth of Top Perf
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433*Top Perf.))/Top Perf.

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.



1 of 12

DAILY COMPLETION REPORT

ner her alse

WELL N	IAME:	Federal	15-19-9-16	Re	eport Date: _	1-24	-08			Day:	01
Ope	Account to the second s		on				Rig:	Rig	less		_
				WELL S	TATUS						
Surf Csg:	8-5/8		www.	Prod Csg: _			5867'	_	PBTD:	~~~~~	8'WL
Tbg:	Size:	W	t: G	ird:	Pkr/EC	T @:		BP/Sand	PBTD:	·	
			PE	RFORATIO	N RECORD	<u>)</u>					
<u>Zone</u>	_	<u>Perfs</u>	SPF/#sl	hots	<u>Zor</u>	<u>ne</u>		Perfs		SPF/	#shots
					***************************************				ano ano		
CP1 sds		5424-5434'	4/40						_		
	***		CUDO	NOLOGICA	LODEDATI	ONE			-		
Date Work	Perfo	rmed:	<u>Спко</u> 23-Jan-08	NOLOGICA	L OPERATI	<u>ONS</u>	SITP:		SICP:		0
		ead. NU 6" 5K					_		-		
Starting flu		to be recovered		Starting	<u>/ERY (BBLS</u> g oil rec to da /recovered to	ite:			······································		
Ending flui		* *************************************	138		l recovered:	, auy	·	······			
IFL:		w	FTP:			Final Flu	id Rate:		_ Final o	oil cut	;
		STIMULA	TION DETAIL					COST	<u>s</u>		
Base Fluid	used:		Job Type:				Weath	erford BOP	_	-	\$540
Company:	***************************************						NP	C NU crew	<u>,</u>		\$300
Procedure	or Equi	pment detail:					ND	SI trucking	_	\$	1,200
***************************************	***************************************					, control control control	Perfo	rators LLC		\$	5,788
***************************************								Orilling cost		\$31	8,030
							Zubi	ate Hot Oil	-	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	\$475
							ocation p	reparation	**	******	\$300
							NP	C wellhead	_	. \$	1,500
							Bence	o - anchors	_	\$	1,200
							Admin.	Overhead		\$	3,000
							NPC	Supervisor	-		\$300
Max TP:		Max Rate:							-		
Avg TP:		Avg Rate:		rop pmpd:		physical desired the selection of the se			_		
ISIP:		5 min:	10 min:	·················	FG:		AILY C				2,633
Comple	tion S	upervisor:	Ron Shuck			TO	TAL WE	LL COST:		\$33	2,633



2012

DAILY COMPLETION REPORT

2/2/2008 Day: 2a **WELL NAME:** Federal 15-19-9-16 Report Date: Operation: Completion Rig: Rigless **WELL STATUS** Surf Csg: 8-5/8' @ 324' Prod Csg: 5-1/2" 5867' Csg PBTD: 5768'WL @ BP/Sand PBTD: Tbq: Pkr/EOT @: PERFORATION RECORD Zone Perfs SPF/#shots Zone Perfs SPF/#shots CP1 sds 5424-5434' 4/40 **CHRONOLOGICAL OPERATIONS Date Work Performed:** 2/1/2008 SITP: SICP:

Day 2a, Stage #1 CP1 sds.

RU BJ Services. 0 psi on well. Frac CP1 sds w/ 19,731#'s of 20/40 sand in 327 bbls of Lightning 17 fluid. Broke @ 3005 psi. Treated w/ ave pressure of 1909 psi w/ ave rate of 15.2 BPM. ISIP 2009 psi. Leave pressure on well. 465 BWTR. See day 2b.

		UID RECOVERY (B			
Starting fluid load to be recove	***************************************	Starting oil rec t			•
Fluid <u>lost</u> /recovered today:	327			,	
Ending fluid to be recovered: _	465	Cum oil recover	***		×
IFL: FFL:	FTP:	Choke:	Final	Fluid Rate:	Final oil cut:
STIMU	JLATION DETAIL	·		COST	<u>s</u>
Base Fluid used: Lightning	17 Job Type:	Sand frac		BJ Services	\$18,971
Company: BJ Services	***************************************		•	CD Trucking	\$560
Procedure or Equipment detail	: CP1 sds dow	n casing	_	NPC gas	\$88
1613 gals of Techna Hib	& to cross link			NPC supervisor	\$60
2000 gals of pad					
1511 gals w/ 1-4 ppg of	20/40 sand				
3180 gals w/ 4-6.5 ppg	of 20/40 sand				
504 gals of 15% HCL ac	oid				
Flush w/ 4918 gals of sli	ck water		**************************************		
**Flush called @ blender	to include 2 bbls fo	or pump/line volume*	 +		
Max TP: 2122 Max Rate:					6
Avg TP: 1909 Avg Rate:					
ISIP: 2009 5 min:	10 min:	FG: .80		DAILY COST:	\$19,679
Completion Supervisor:	Don Dulen			TOTAL WELL COST:	\$352,312



ATTACHMENT G-1 3&12

Day: 2b

DAILY COMPLETION REPORT

Report Date:

2/2/2008

WELL NAME:

Federal 15-19-9-16

Ope	ration	;	Comple	tion					Rig:	Rig	less	
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			WELL S	TATUS					
Surf Csg:	8-5/8	@	324'		Pi	rod Csg:	5-1/2"	@	5867'	Csg I	PBTD:	5768'WL
Tbg:	Size:			//t:	Gro		Pkr	EOT @:		BP/Sand I	PBTD:	
			E	PERFO	RATION R	FCORD				CB	P @ 53	יחחי
Zone			Perfs !	LIVIO	SPF/#sho		;	<u>Zone</u>		Perfs		SPF/#shots
	ex.			CORRUPCIO LA CARRO DE CARRO D					***************************************		• ×	
**************************************	•••						\$40000 0\$440000		**************************************		a, ×	
LODC sds		5180)-5191'		4/44		***************************************	······································				
CP1 sds		5424	I-5434'		4/40				***************************************			
······································	-	···			OUDON		LOBER	TIONO	V00000000400-V00000-V0000-V0000-V0000-V0000-V0000-V0000-V0000-V0000-V0000-V0000-V0000-V0000-V0000-V0000-V0000-			
Date Work	Dorfo	rmoc	4.	2/1/2		OLOGICA	IL UPERA	AHONS	CITD.	;	SICP:	1755
Date work	Perio	rmec		21112	008				SIIP.		SICP.	1/33
Lightning 1	7 fluid	. Bro	oke @ 20	51 psi.	Treated w See day 2c.	/ ave pres	ssure of 2	2361 psi	w/ ave rate	of 20/40 sa of 22.1 BP	M. IS	IP 2460 psi
					E1 111	D BECOL	/EDV /DD	01.67				·····
Starting flu	id load	to be	recovere	d:	465	D RECOV Starting	g oil rec to					
Fluid <u>lost</u> /re				40	4		/recovere					
Ending fluid	d to be		***************************************	86			l recovere				·	
IFL:		FFL:		FTI	P:	Choke:		Final	Fluid Rate:	***************************************	Final o	oil cut:
					DETAIL					COST	<u>s</u>	
Base Fluid			htning 1	7Jc	b Type:	Sand	frac	***************************************		BJ Services		\$8,034
Company:	~~~		ervices					,		D Trucking		\$840
Procedure	-	-			DC sds dow	n casing				NPC gas	. «	\$131
***************************************			hna Hib 8	to cro	ss link					ne Wolf WL		\$3,869
***************************************	gals o								***************************************	erford tools		\$2,600
***************************************		****************	ppg of 20					considerated .	NPC	Supervisor		\$60
»			.5 ppg of		and			and the same of th				
			HCL acid					· ·				
Flush	ı w/ 46	75 ga	als of slick	water	······							
											· -	
					e 2 bbls for	·ā·····				······································	. -	
	*******				n_Total fluid n=Total Pro		404 bbls					
_	2460	_	Nate. <u></u>	, nhi	10 min:	հ հահ ո ։	FG: .91	- ,	DAILY C	OST:	. 	\$15,534
Comple	***************************************			 Doi	n Dulen					ELL COST:	-	\$367,846



4812

						TION DE	ODT		•		101	10
WELL N	ΔME·	Fede	ral 15-19-			TION REF		2/2008			Day:	2c
	ation:	Comp				- P - 1 - 1		Rig:	Riç	gless	,	
		· · · · - · · · ·			WELL S	TATUS						
Surf Csg: Tbg:	8-5/8' @ Size:	324	l' Wt:	P Gr	rod Csg:	5-1/2"	@ ОТ @:	5867'	Csg BP/Sand	PBTD: PBTD:	***************************************	B'WL
			PERFOR	ATION R	ECORD				CBP (@ 5020	', 5300	•
<u>Zone</u>		<u>Perfs</u>		SPF/#sho		<u>Z</u> c	<u>one</u>		Perfs		SPF/#	·····
A1 sds LODC sds CP1 sds	518	25-4933' 80-5191' 24-5434'		4/32 4/44 4/40								
				CHRON	OLOGIC#	L OPERAT	TIONS					
Date Work	Perform	ed:	2/1/200	08				SITP:		SICP:	20	70
of 32 shots fluid. Brok pressure or Starting fluif Fluid lost/re	RU BJ te @ 216 n well. 11	Services. 4 psi. Ti 43 BWTF	2070 psi reated w/ R. See day red: 8	on well. ave pres / 2d. FLU	Frac A1 sure of 24 ID RECO Startin Oil los	sds w/ 15,1 440 psi w/ VERY (BBL g oil rec to c	94#'s of ave rates. S) date: today:	of 20/40 sa	2.7 gram, 90 and in 274 k BPM. ISIF	obls of 2237	Lightn	ing 17
Ending fluid		-	1143 FTP:	***************************************		il recovered	-	Fluid Rate:		 Final (oil cut:	
IFL:	FF			***************************************	Cnoke: _		FIIIAI	Fluid Rate.			Jii Gut.	
			ILATION I			_			COST		Ф	4 740
Base Fluid		ightning. Services	<u>17</u> Job	Туре:	Sand	trac			BJ Services CD Trucking		<u> </u>	4,742 \$440
Company: Procedure of		<u> </u>	 	ds down c	eacina		w		NPC gas			\$69
			& to cros		asing		AN	1.0	ne Wolf WL		.s.	2,814
	gals of pa	······································	a to cross	5 III IN	7,10			······································	nerford tools		***************************************	2,600
***************************************	······································		20/40 sand	٠	······································				Superviso			\$60
*****************			of 20/40 sa						o deporting of		***************************************	
***************************************		% HCL ac	······································		***************************************					e de la companya de l		,,
······································		gals of sli								_		

Flus	sh called (@ blender	to include	2 bbls for	· pump/line	volume						
			22.0 bpm			274 bbls	- 4			_		
			21.6 bpm	_	op pmpd:_	15,194#'s		D40 1/2	NOOT.	••••		0.705
	2237	5 min: _		0 min:	AND THE RESIDENCE	FG: <u>.89</u>	-	DAILY (0,72 <u>5</u> 8 571
Comple	tion Sup	ervisor: _	Don	Dulen				IUIAL W	ELL COST	·	Φ3 /	8,571



5612

Day: _2d

DAILY COMPLETION REPORT

Federal 15-19-9-16

WELL NAME:

Report Date:

2/2/2008

Operation: Completion			Rig:	Rigless	
	WELL ST	TATUS	···		· · · · · · · · · · · · · · · · · · ·
Surf Csg: 8-5/8' @324'	Prod Csg:	5-1/2" @	5867'	Csg PBTE	: <u>5768'WL</u>
Tbg: Size: Wt:	Grd:	Pkr/EOT @:		BP/Sand PBTE	
PERSONATION	DECODE			CBP @ 500	
PERFORATION SPECIFIC		7ana		CBP @ 502	SPF/#shots
Zone <u>Perfs</u> <u>SPF/#s</u>	<u>nots</u>	<u>Zone</u>		<u>Perfs</u>	<u> 3F17#SHULS</u>
B.5 sds 4753-4760' 4/28			·		
A1 sds 4925-4933' 4/32	,220000000000000000		***************************************		
LODC sds 5180-5191' 4/44					
CP1 sds 5424-5434' 4/40		***************************************	R-11-1-10000000000000000000000000000000		
we have the second seco		V-0/24/	(
	NOLOGICA	L OPERATIONS			
Date Work Performed: 2/1/2008			SITP:	SICF	P: <u>1800</u>
fluid. Broke @ 3482 psi. Treated w/ ave prepressure on well. 1488 BWTR. See day 2e. FL Starting fluid load to be recovered: 1143	UID RECOV	ERY (BBLS)		DI W. 1011 202	o poi:
Fluid lost/recovered today: 345	_	/recovered today:			
Ending fluid to be recovered: 1488		recovered:		. #	
IFL: FFL: FTP:	Choke:	Final	Fluid Rate:	Fina	l oil cut:
STIMULATION DETAIL				COSTS	
Base Fluid used: Lightning 17 Job Type:	Sand S	frac		BJ Services	\$6,902
Company: BJ Services		•	C	D Trucking	\$720
Procedure or Equipment detail: B.5 sds dow	n casing	•	**************************************	NPC gas	\$113
1533 gals of Techna Hib & to cross link	.	•	Lo	ne Wolf WL	\$2,462
2500 gals of pad		00000000000000000000000000000000000000	······································	erford tools	\$2,600
1915 gals w/ 1-4 ppg of 20/40 sand			~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Supervisor	\$60
			141 0	Gapervisor	ΨΟΟ
3788 gals w/ 4-6.5 ppg of 20/40 sand					
504 gals of 15% HCL acid	······································	-	·		
Flush w/ 4246 gals of slick water	······				
**Flush called @ blanday to include 2 bbl-	for numeriles				
Flush called @ blender to include 2 bbls f Max TP: 2308 Max Rate: 22.2 bpm Total fl		345 bbis	**		
Avg TP: 2072 Avg Rate: 22.0 bpm Total F		•			
ISIP: 2020 5 min: 10 min:	. op pinpa	FG: .86	DAILY C	OST:	\$12,857
Completion Supervisor: Don Dulen	MANAGEMENT OF THE STATE OF THE	***************************************		ELL COST:	\$391,428



ATTACHMENT G-1 6 of 12

DAILY COMPLETION REPORT

WELL N	AME:		Federal 1	5-19-9-16	Re	port Date:	2/2	2/2008		Day:	<u> 2e</u>
Oper	ation:		Completio	n				Rig:	Rigless		
				W	ELL ST	TATUS_			-		
Surf Csg:	8-5/8	@	324'	Prod	l Csg:	5-1/2"	@	5867'	Csg PBTD:	5768	'WL
Tbg:	Size:		Wt:	Grd:	-	Pkr/E0	от @: ¯		BP/Sand PBTD:		
Ū	-								CBP @ 4650) ['] , 4850	
			PE	RFORATION REC	ORD				CBP @ 5020)', 5300	
Zone			Perfs	SPF/#shots		Zo	<u>ne</u>		<u>Perfs</u>	SPF/#	<u>shots</u>
D1 sds		4539	-4553'	4/56							
B.5 sds		4753	-4760'	4/28							
A1 sds		4925	-4933'	4/32							
LODC sds		5180	-5191'	4/44							
CP1 sds		5424	-5434'	4/40							
				CHRONOL	OGICA	L OPERAT	IONS				
Date Work	Perfo	rmed	l: <u>2</u>	2/1/2008				SITP:	SICP:	18	02
Day 2e, St RU Lone \ gun. Set pl	Nolf II	c WL	T. crane & I	₋ubricator. RIH w/ D1 sds @ 4539-5	Weathe 3' w/ 3-	erford 5-1/2 1/8" Slick G	" 6K co Suns (.3	mposite flo 869"EH, 22	ow through frac p 7 gram, 90)w/	lug & 1 4 spf fo	4' per or tota

of 56 shots. RU BJ Services. 1802 psi on well. Frac D1 sds w/ 46,601#'s of 20/40 sand in 439 bbls of Lightning 17 fluid. Broke @ 3021 psi. Treated w/ ave pressure of 1712 psi w/ ave rate of 22.0 BPM. ISIP 1930 psi. Open well to pit for immediate flowback @ approx. 1 bpm. Well flowed for 6 hrs & died. Recovered 350 bbls. SWIFN.

		FLI	JID RECOVERY (BBI	LS)		
Starting fluid le	oad to be recovered:	1488	Starting oil rec to	date:		•
Fluid <u>lost</u> /recovered today: 89 Oil lost/recovered to		today:	······································			
Ending fluid to	be recovered:	1577	Cum oil recovered		,	•
IFL:	FFL:	FTP:	Choke:	Final	Fluid Rate:	Final oil cut:
-	STIMULA	TION DETAIL			COST	<u>s</u>
Base Fluid use	ed: Lightning 17	Job Type:	Sand frac		BJ Services	\$28,282
Company:	BJ Services				CD Trucking	\$1,440
Procedure or E	Equipment detail:	D1 sds down	casing		NPC gas	\$225
1546 ga	ls of Techna Hib & t	o cross link			Lone Wolf WL	\$4,925
3800 ga	ls of pad				Weatherford tools	\$2,600
2625 ga	ls w/ 1-5 ppg of 20/4	0 sand			NPC Supervisor	\$60
5250 ga	ls w/ 5-8 ppg of 20/4	0 sand			TPS tbg.	\$23,490
778 gals	s w/ 8 ppg of 20/40 s	and			UniChem chemicals	\$400
Flush w	/ 4452 gals of slick w	/ater			Monk's pit reclaim	\$5,000
***************************************					NPC surface equip.	\$130,000
					Boren Construction	\$19,500
Max TP: 20)40 Max Rate: 22.3	bpm Total flu	uid pmpd: 439 bbls		NDSI water disposal	\$5,000
***************************************	'12 Avg Rate: 22.0				NPC location cleanup	\$300
ISIP: 19		10 min:	FG: .86		DAILY COST:	\$221,222
Completio	n Supervisor:	Don Dulen			TOTAL WELL COST:	\$612,650



NDSI Trucking

NPC Trucking

NDSI water disposal

DAILY COST: ______
TOTAL WELL COST: _

70/12

\$800 \$600

\$5,000

\$11,530

\$624,180

				DAI		MPLETI	ON PED	OPT				- 0	7 10
WELL N	VME.	Fed	eral 15-1				ort Date:		6/2008			Day:	3
	ration:	······	oletion	00.10		ТОР			Rig:	Leed			
						ELL STA		_	E0071		DTD	F700	NA/I
Surf Csg:	8-5/8					·	5-1/2"	@ ,	5867'			5768	VVL
Tbg:	Size:	2 7/8"	Wt:	6.5#	_Grd:	J-55	Pkr/E	OT @: ˌ	4600'	BP/Sand P		40.50	
										CBP @	-		
			PERFO	<u> PRATIO</u>						CBP @	·····	***************************************	***************************************
<u>Zone</u>		<u>Perfs</u>			#shots		<u>Zo</u>	<u>ne</u>		<u>Perfs</u>		SPF/#	<u>shots</u>
D1 sds		4539-4553'		4/56					000000000000000000000000000000000000000				
B.5 sds	•	4753-4760'		4/28						92			
A1 sds		4925-4933'		4/32		,							
LODC sds	_	5180-5191'		4/44									
CP1 sds		5424-5434'		4/40		,	***************************************		200				
		<u> </u>		***************************************					***************************************				
				CHF	RONOL	OGICAL	OPERAT	IONS					
Date Work	Domfo	· · · · · · · · · · · · · · · · · · ·	2/5/2	_					SITP:		SICP:		
w/ 4 3/4" ch	nomp	oit, bit sub &	new 2 7/	/8" tbg.	from pi	pe racks (tallying &	driftin	g). Tag CB	on head & S P @ 4650'.	SWII	FN.	
_		I to be recove	ered:	<u>!</u> 1577	FLUID	RECOVEI	il rec to d	late:					
Fluid lost/re		-	(- 	_	Oil lost/re							
Ending fluid	d to be	recovered:		77		Cum oil re	ecovered:						
IFL:	-a-24-a	FFL:	FT.	P:	<u>C</u>	hoke:		Final	Fluid Rate:		Final c	oil cut:	
								-		COSTS	3		
										Leed #712	=	¢,	4,555
			CONTRACTOR OF THE PROPERTY OF						\\\ooth	erford BOP	,		\$275
								,	***************************************		•		
									Mtn. Wes	t Sanitation			\$300

Completion Supervisor: _____ Don Dulen



\$6,929

\$631,109

DAILY COST: TOTAL WELL COST:

									α	011
			DAIL	Y COMPLETIO	N REPO	PRT				
WELL N	IAME:	Federal	15-19-9-16	Repor	t Date:	2/7	/2008	•		Day:4
Opei	ration	Completion	on	***************************************			Rig:	Leed	#712	
				WELL STATI	JS				-	
Surf Csg:	8-5/8	@ 324'			 .	@	5867'	Csg F	PBTD:	5830'
Tbg:	Size:	2 7/8" Wt	: 6.5#	Grd: J-55	Pkr/EOT	[@:_	5736'	BP/Sand I	PBTD:	
		PE	RFORATIO	N RECORD						
<u>Zone</u>		<u>Perfs</u>	SPF/#	#shots	Zone	<u> </u>		<u>Perfs</u>		SPF/#shots
D1 sds		4539-4553'	4/56				@20100000000000000000000000000000000000			
B.5 sds		4753-4760'	4/28	nonnannonnandere del Acepto (Albaria					. »	
A1 sds	•••	4925-4933'	4/32				***************************************			
LODC sds	<u>-</u>	5180-5191'	4/44					······································		······································
CP1 sds		5424-5434'	4/40				and electronic delectronic del			
	-		CHR	ONOLOGICAL O	PERATIC	ONS	Minderston			
Date Work	Perfo	ormed:	2/6/2008				SITP:		SICP:	0
w/ tbg. Tag Circulate w	a 5280)'. C/O to CBP @	5300'. DU	og. Tag @ 5014'. CBP in 15 min. C swab. Made 5 rur	ont. RIH	w/ tbg	g. Tag @	5751'. C/O	to PB	ГD @ 5830'
EFL 200'.	SWIFI	N .								
			<u> </u>	LUID RECOVER	(BBLS)	-	<u> </u>		•••	
Starting flu	id load	to be recovered:	<u>F</u> 1577	LUID RECOVERY Starting oil	/ (BBLS) rec to dat	te:				
Starting flu Fluid <u>lost</u> /re	id load	to be recovered:	1577 50	LUID RECOVERY Starting oil Oil lost/reco	(BBLS) rec to dat overed too	te:				
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered:	<u>F</u> 1577	LUID RECOVERY Starting oil	(BBLS) rec to dat overed too overed:	te: day:			- - - Final c	il cut:
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:			Final c	il cut:
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:		COST	Final o	
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:	Fluid Rate:		Final o	sil cut: \$5,204 \$275
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:	Fluid Rate: Weath	COST Leed #712	Final o	\$5,204
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:	Fluid Rate: Weath	COST Leed #712 nerford BOP	- Final o	\$5,204 \$275
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:	Fluid Rate: Weath	COST Leed #712 nerford BOP Nabors P.S.	- Final o	\$5,204 \$275 \$750
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:	Fluid Rate: Weath	COST Leed #712 nerford BOP Nabors P.S.	- Final o	\$5,204 \$275 \$750
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:	Fluid Rate: Weath	COST Leed #712 nerford BOP Nabors P.S.	- Final o	\$5,204 \$275 \$750
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:	Fluid Rate: Weath	COST Leed #712 nerford BOP Nabors P.S.	- Final o	\$5,204 \$275 \$750
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:	Fluid Rate: Weath	COST Leed #712 nerford BOP Nabors P.S.	- Final o	\$5,204 \$275 \$750
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:	Fluid Rate: Weath	COST Leed #712 nerford BOP Nabors P.S.	- Final o	\$5,204 \$275 \$750
Starting flu Fluid lost/re Ending fluid	iid load ecover d to be	to be recovered: ed today:	1577 50 1627	LUID RECOVER\ Starting oil Oil lost/reco	(BBLS) rec to dat overed too overed:	te: day:	Fluid Rate: Weath NDSI w	COST Leed #712 nerford BOP Nabors P.S.	<u>S</u>	\$5,204 \$275 \$750

Completion Supervisor: _____ Don Dulen



SICP:

SITP:

0

DAILY COMPLETION REPORT Day: 5 2/8/2008 **WELL NAME:** Federal 15-19-9-16 Report Date: Rig: Leed #712 Operation: Completion **WELL STATUS** Csg PBTD: 324' 5-1/2" 5867' 5830' **Prod Csg:** Surf Csg: 8-5/8 2 7/8" 6.5# J-55 Pkr/EOT @: 0' **BP/Sand PBTD:** Wt: Grd: Tbg: Size: PERFORATION RECORD SPF/#shots SPF/#shots Perfs **Zone** Zone Perfs 4539-4553' 4/56 D1 sds 4753-4760' 4/28 B.5 sds 4/32 A1 sds 4925-4933' 4/44 LODC sds 5180-5191' CP1 sds 5424-5434' 4/40

RIH w/ swab. Tbg. swabbed down to 5600' in 4 runs. RD swab. Attempt to pick up on tbg. Tbg. stuck. RU pump tc tbg. Could not pump down tbg. RU powerswivel. Work tbg. free. RU pump to tbg. Could not pump down tbg. POOF w/ tbg. (pulling wet). The last it was plugged w/ sand. SWIFN.

CHRONOLOGICAL OPERATIONS

2/7/2008

Date Work Performed:

Starting flui	d load to be recovered:	<u>Fl</u> 1627	UID RECOVERY Starting oil re			
Fluid lost/recovered today: Ending fluid to be recovered:		0				•••
		1627	Cum oil reco		,	int
IFL: FFL:	W	FTP:	Choke:	Final	Fluid Rate:	Final oil cut:
					COST	<u>'S</u>
					Leed #712	\$5,276
		• •		•	Weatherford BOP	\$275
		-			Nabors P.S.	\$750
				•		
***************************************	***************************************	***				
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***************************************				-		
- Mariana - Mari				······································	- yn	
				···········		
<u>,</u>						
					NPC Supervisor	\$300
		_			DAILY COST:	\$6,601
Comple	tion Supervisor:	Don Dulen			TOTAL WELL COST:	\$637,710



10 of 12

Day: __6__

DAILY COMPLETION REPORT

WELL NAME: Federal 15-19-9-16

Report Date: 2/9/2008

Ope	ration	Comp	letion						Rig:	Leed #7	712	
					W	ELL ST	ATUS		<u></u>			
Surf Csg:	8-5/8	@ 324	4'		_	l Csg:	5-1/2"	@	5867'	Csg PB	TD:	5830'
Tbg:	Size:	2 7/8"	Wt:	6.5#	_Grd:	J-55		 <u>ОТ</u> @: _	4500'	BP/Sand PB	***************************************	
7		Danfa	PERI	ORATIO			7.			Perfs	<u> </u>	PF/#shots
Zone D1 sds		Perfs 4539-4553'		<u> 377/</u> 4/56	#shots		<u> 20</u>	<u>one</u>		<u>rens</u>	<u>51</u>	r i i#SilotS
B.5 sds	-	4753-4760'		4/28		•					*******	
A1 sds	***	4925-4933'	***************************************	4/32		•	***************************************	***************************************			***********	
LODC sds	•	5180-5191'		4/44		•	***************************************		····		********	
CP1 sds	_	5424-5434'		4/40		•			***************************************			
				•	*************				***************************************			
				CHF	RONOL	.OGICAL	OPERA	TIONS				
Date Work	Perfo	rmed:	2/8	/2008					SITP:	SIC	CP:	0
		alot of sand										
				_	FLUID		RY (BBL				- 	
_		to be recove	*****	1627			oil rec to					
Fluid lost/r				105			ecovered	~~~				
iFL:		recovered: _ FFL:		522 TP:	С	hoke:	recovered		Fluid Rate:	Fir	nal oil	cut:
										COSTS Leed #712		\$5,333
									\//eath	nerford BOP	*********	\$275
								3000	vveau	lenora bor		Ψ210
									y			
·						· · · · · · · · · · · · · · · · · · ·						
***************************************			······		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						*********	
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garmentalishina aniddan					w	······						
								_				
								_				
						100			NPC	Supervisor		\$300
	cont	·			,				DAILY C	COST:		\$5,908
Comple	etion S	upervisor:		on Dulei	n				TOTAL W	ELL COST:		\$643,618



ATTACHMENT G-1 11 of 12

Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Anchor @: PERFORATION RECORD Zone D1 sds 4539-4553' 4/56 B.5 sds 4753-4760' 4/28 A1 sds 4925-4933' 4/32 LODC sds 5180-5191' 4/44		PBTD: 5830' PBTD: 5830' SPF/#shot
Surf Csg: 8-5/8' @ 324' Prod Csg: 5-1/2" @ Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Anchor @: PERFORATION RECORD Zone Perfs SPF/#shots Zone D1 sds 4539-4553' 4/56 B.5 sds 4753-4760' 4/28 A1 sds 4925-4933' 4/32 LODC sds 5180-5191' 4/44	5401' BP/Sand	PBTD: 5830'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Anchor @: PERFORATION RECORD Zone Perfs SPF/#shots Zone D1 sds 4539-4553' 4/56 4/56 B.5 sds 4753-4760' 4/28 4/28 A1 sds 4925-4933' 4/32 4/44 LODC sds 5180-5191' 4/444 4/444	5401' BP/Sand	PBTD: 5830'
PERFORATION RECORD Zone Perfs SPF/#shots Zone D1 sds 4539-4553' 4/56 B.5 sds 4753-4760' 4/28 A1 sds 4925-4933' 4/32 LODC sds 5180-5191' 4/44		
Zone Perfs SPF/#shots Zone D1 sds 4539-4553' 4/56 B.5 sds 4753-4760' 4/28 A1 sds 4925-4933' 4/32 LODC sds 5180-5191' 4/44	<u>Perfs</u>	SPF/#shot
D1 sds 4539-4553' 4/56 B.5 sds 4753-4760' 4/28 A1 sds 4925-4933' 4/32 LODC sds 5180-5191' 4/44	<u>Perfs</u>	SPF/#shot
B.5 sds 4753-4760' 4/28 A1 sds 4925-4933' 4/32 LODC sds 5180-5191' 4/44		
A1 sds 4925-4933' 4/32 LODC sds 5180-5191' 4/44		
_ODC sds 5180-5191' 4/44		
		~
		•
CHRONOLOGICAL OPERATIONS	3	
Date Work Performed: Feb. 11, 2008	SITP: 40	SICP: 0
FLUID RECOVERY (BBLS) Starting fluid load to be recovered: 1522 Starting oil rec to date: Fluid lost/recovered today: 18 Oil lost/recovered today		
Ending fluid to be recovered: 1504 Cum oil recovered:		-
IFL: 100' FFL: 1000' FTP: Choke: Fin:	al Fluid Rate:	Final oil cut: <u>tr</u>
	COST	_
	Leed #712	
Market and an income and a constant and a second and a se	Weatherford BOP	
	CDI TA & SN	
	NPC trucking	-
	NPC supervision	\$30
	<u> </u>	•
•		-

	DAILY COST:	\$6,73



W											1 ($\lambda D + I \sigma$
VVI					-Y COI		ON REPO		12 2008		, ,	Day: 8
	ELL NAME		eral 15-	19-9-16		керс	ort Date: _	reu.	13, 2008 Rig:	 	ed #712	
	Operation	i: Comp	oletion						Kig.	Let	eu #/ 12	
						ELL STA						50201
Surf (C E#	Prod	Csg:5 J-55	5-1/2" Ancho		5867' 5401'		g PBTD: d PBTD:	· · · · · · · · · · · · · · · · · · ·
Tbg:	Size	: 2 7/8"	Wt:	6.5#	_Grd: _	J-55	Ancho	u w	3401	_ DF/Sall	arbib.	
			PERF	ORATIO	N RECC	<u>DRD</u>						
_	<u>one</u>	<u>Perfs</u>			#shots		Zon	<u>ie</u>		<u>Perfs</u>		SPF/#shots
D1 s		4539-4553'		4/56					*************************************	······································	*****	
B.5 s		4753-4760' 4925-4933'		4/28 4/32				/	annococcoccer-resolventrin			*****
***************************************	C sds	5180-5191'		4/44					***************************************			
CP1		5424-5434'		4/40			244-04-04-04-04-04-04-04-04-04-04-04-04-0					
concension of the second		***************************************							ex-consenses consenses con	····		
				CHR	ONOLO	OGICAL (OPERATI	ONS				
Date	Work Perf	formed:	Feb. 1	2, 2008	•••				SITP	:	_SICP:	0
	L REPORT	oroduction @ 「!!) 1.00 F	W Z 12/2	JUO 447	IUZ SL	@ 3 31 IVI	•				
	•	nd to be recove	***********	1504		Starting o	RY (BBLS	ete:				
Fluid	lost/recove	ered today:	***************************************	1504 0		Starting o Oil lost/re	il rec to da covered to	ete:				
Fluid Endii	lost <u>/recove</u> ng fluid to b	ered today: ne recovered:	13	1504	- (Starting o Oil lost/re Cum oil re	il rec to da	ate: oday: _	Fluid Rate	:		oil cut:
Fluid	lost <u>/recove</u> ng fluid to b	ered today: be recovered: FFL:	1.	1504 0 504	- (- (- Ch	Starting o Oil lost/re Cum oil re noke:	oil rec to da covered to ecovered:	ate: oday: _	Fluid Rate			oil cut:
Fluid Endii	lost <u>/recove</u> ng fluid to b	ered today: ne recovered:	1.	1504 0 504	- (- (- Ch	Starting o Oil lost/re Cum oil re	oil rec to da covered to ecovered:	ate: oday: _	Fluid Rate	cos	ST <u>S</u>	oil cut:
Fluid Endii IFL:	lost <u>/recove</u> ng fluid to b : 	ered today: be recovered: FFL:	1.	1504 0 504 TP:	Ch	Starting o Oil lost/re Cum oil re noke: D DETAIL	oil rec to da covered to ecovered:	ate: oday: _			STS 12	
Fluid Endii IFL: KB	lost/recovering fluid to be: TUE	ered today: pe recovered: FFL: BING DETAIL	1! F	1504 0 504 TP:	ROI	Starting o Oil lost/re Cum oil re noke: D DETAIL polished	oil rec to da covered to ecovered:	ate: oday: _	С	COS Leed #7 DI rod pun	STS 12 np	\$2,560
Fluid Endii IFL: KB	TUE 12.00' 2 7/8 J-55	ered today: pe recovered: FFL: BING DETAIL to tbg (5389.08	1! F	1504 0 504 TP:	Ch ROI 2" X 26'	Starting of Oil lost/re Cum oil renoke: D DETAIL polished pony rod	oil rec to da ecovered to ecovered:	ate: oday: _	C "B" gra	<u>COS</u> Leed #7	12 np	\$2,560 \$1,800
Fluid Endii IFL: KB 172	10st/recovering fluid to be:	ered today: pe recovered: FFL: BING DETAIL to tbg (5389.08) © 5401.08' K	1! F	1504 0 504 TP:	ROI 2" X 26' X 3/4" p /4" scra	Starting o Oil lost/re Cum oil re noke: D DETAIL polished nony rod pered roc	oil rec to da ecovered to ecovered:	ate: oday: _ Final	C "B" gra Zı	COS Leed #7 DI rod pun de rod stri	STS 12 mp ng trk	\$2,560 \$1,800 \$10,840
Fluid Endii IFL: KB	10st/recovering fluid to be: TUE 12.00' 2 7/8 J-55 TA (2.35' 2 7/8 J-55	ered today: pe recovered: FFL: BING DETAIL to tbg (5389.08 © 5401.08' K to tbg (31.30')	1! F	1504 0 504 TTP:	ROI 2" X 26' X 3/4" p /4" scra 3/4" pla	Starting of Oil lost/re Cum oil renoke: Description Description of Description o	rod	ate: oday: _ Final	C "B" gra Zu NPC frac	COS Leed #7 DI rod pun de rod stri ibiate HO t	STS 12 mp ng ttrk /s)	\$2,560 \$1,800 \$10,840 \$450 \$1,000
KB 172	10st/recovering fluid to be: 12.00' 2.7/8 J-55 TA (2.35' 2.7/8 J-55 SN (1.10'	ered today: pe recovered: FFL: SING DETAIL tbg (5389.08 5401.08' K tbg (31.30') 6 5434.73' k	1! F	1504 0 504 TP:	ROI " X 26' X 3/4" p /4" scra /4" scra	Starting of Oil lost/re Cum oil re noke: D DETAIL polished bony rod pered roc in rods	rod	ate: oday: _ Final	C "B" gra Zu NPC frac NPC sw	COS Leed #7 DI rod pun de rod stri ibiate HO t tks(5X5 dy	STS 12 mp ng trk /s)	\$2,560 \$1,800 \$10,840 \$450 \$1,000 \$240
Fluid Endii IFL: KB 172	12.00' 2 7/8 J-55 TA (2.35' 2 7/8 J-55 SN (1.10' 2 7/8 J-55	ered today: pe recovered: FFL: BING DETAIL tbg (5389.08 @ 5401.08' K tbg (31.30') @ 5434.73' k tbg (62.50')	1! F 3') (B)	1504 0 504 TP:	ROI 2" X 26' X 3/4" p /4" scra 3/4" pla /4" scra	Starting of Oil lost/re Cum oil re noke: D DETAIL polished cony rod pered rod in rods pered rod pered ro	rod	ate: oday: _ Final	C "B" gra Zu NPC frac NPC sw	Leed #7 DI rod pun de rod stri ubiate HO t tks(5X5 dy b tk (6 day	ng trk /s)	\$2,560 \$1,800 \$10,840 \$450 \$1,000 \$240 \$500
KB 172	12.00' 2 7/8 J-55 TA (2.35' 2 7/8 J-55 SN (1.10' 2 7/8 J-55 2 7/8 J-55	ered today: pe recovered: FFL: BING DETAIL tbg (5389.08 @ 5401.08' K tbg (31.30') @ 5434.73' K tbg (62.50') ched collar (.4	1! F 3') (B)	1504 0 504 TTP:	ROI ROI X 3/4" p /4" scra 3/4" pla /4" scra 1/2" weig 2 1/2" X	Starting of Oil lost/re Cum oil re noke: Description DETAIL polished cony rod pered rod in rods pered rod pered rod (1 1/2" X	rod ds	ate: oday: _ Final	C "B" gra Zu NPC frac NPC sw	COS Leed #7 DI rod pun de rod stri ibiate HO t tks(5X5 dy	ng trk /s)	\$2,560 \$1,800 \$10,840 \$450 \$1,000 \$240
KB 172	12.00' 2 7/8 J-55 TA (2.35' 2 7/8 J-55 SN (1.10' 2 7/8 J-55	ered today: pe recovered: FFL: BING DETAIL tbg (5389.08 @ 5401.08' K tbg (31.30') @ 5434.73' K tbg (62.50') ched collar (.4	1! F 3') (B)	1504 0 504 TTP:	ROI ROI X 3/4" p /4" scra 3/4" pla /4" scra 1/2" weig 2 1/2" X	Starting of Oil lost/re Cum oil re noke: D DETAIL polished cony rod pered rod in rods pered rod pered ro	rod ds	ate: oday: _ Final	C "B" gra Zu NPC frac NPC sw	Leed #7 DI rod pun de rod stri ubiate HO t tks(5X5 dy b tk (6 day	ng trk /s)	\$2,560 \$1,800 \$10,840 \$450 \$1,000 \$240 \$500
KB 172	12.00' 2 7/8 J-55 TA (2.35' 2 7/8 J-55 SN (1.10' 2 7/8 J-55 2 7/8 J-55	ered today: pe recovered: FFL: BING DETAIL tbg (5389.08 @ 5401.08' K tbg (31.30') @ 5434.73' K tbg (62.50') ched collar (.4	1! F 3') (B)	1504 0 504 TTP:	ROI ROI X 3/4" p /4" scra 3/4" pla /4" scra 1/2" weig 2 1/2" X	Starting of Oil lost/re Cum oil re noke: Description DETAIL polished cony rod pered rod in rods pered rod pered rod (1 1/2" X	rod ds	ate: oday: _ Final	C "B" gra Zu NPC frac NPC sw	Leed #7 DI rod pun de rod stri ubiate HO t tks(5X5 dy b tk (6 day	ng trk /s)	\$2,560 \$1,800 \$10,840 \$450 \$1,000 \$240 \$500

Completion Supervisor: Gary Dietz

DAILY COST: \$17,690 TOTAL WELL COST: \$668,043

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 4489'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	181' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4.	Plug #3	120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5.	Plug #4	Pump 44 sx Class "G" cement down 5 1/2" casing to 375'

The approximate cost to plug and abandon this well is \$42,000.

FEDERAL 15-19-9-16

Spud Date: 10/29/07 Initial Production: MCFD, BWPD Put on Production: 02/07/08 Proposed P & A Wellbore Diagram GL:6218' KB:6230' SURFACE CASING CSG SIZE: 8-5/8" TOC @ 166' Pump 44 sx Class "G" Cement down 5-1/2" casing to 375' GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (312.36') Casing Shoe @ 325' DEPTH LANDED: 324.84' KB HOLE SIZE:12-1/4" CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf. 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below (1437'-1557') PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 136 jts. (5854.09') DEPTH LANDED: 5867.67' KB HOLE SIZE: 7-7/8" CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. 181' balance plug using 25 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale (2731'-2912') 100' (12 sx) Class G Cement plug on top of CIBP CIBP @ 4489' 4539-4553 4753-4760' 4925-4933' 5180-5191' 5424-5434 NEWFIELD PBTD @ 5830' FEDERAL 15-19-9-16 TD @ 5891' 711' FSL & 1888' FEL SW/SE Section 19-T9S-R16E Duchesne Co, Utah

API #43-013-33162; Lease # UTU-74391

FORM 3160-5 (August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31,2010

ı	5.	Lease Serial	No

SUNDRY Do not use the abandoned we	USA UTU-74391 6. If Indian, Allottee or Tribe Name.						
SUBMIT IN	TRIPLICATE - Other In	structions on p	page 2	7. If Unit or CA/Agreement, Name and/or			
1. Type of Well	Other			GMBU			
Oil Well Gas Well 2. Name of Operator	8. Well Name an						
NEWFIELD PRODUCTION CO	MPANY			FEDERAL 15-19-9-16			
3a. Address Route 3 Box 3630		3b. Phone (inc.	lude are code)	9. API Well No. 4301333162			
Myton, UT 84052		435,646,3721		10. Field and Pool, or Exploratory Area			
4. Location of Well (Footage, S 711 FSL 1888 FEL	Sec., T., R., M., or Survey Descript	ion)	:	GREATER ME 11. County or Pa			
SWSE Section 19 T9S R16E				DUCHESNE,	UT		
12. СНЕСК	APPROPRIATE BOX(ES) TO INIDICA	TE NATURE OF NO				
TYPE OF SUBMISSION			TYPE OF ACTION				
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	=	(Start/Resume)	☐ Water Shut-Off ☐ Well Integrity		
Subsequent Report	Casing Repair	New Construc	tion Recomplet	e	Other		
Final Abandonment	☐ Change Plans ☐ Convert to Injector	☐ Plug & Aband☐ Plug Back	on	ly Abandon oosal			
	oses to convert the above n		rom producing oil wel	I to an injection	n well.		
I hereby certify that the foregoing is correct (Printed/ Typed)	true and	Title					
Jill Lovle			ory Technician				
Signature COSS	ylo	Date 03/23/20	012				
	() THIS SPACE FOR	R FEDERAL O	R STATE OFFICE	USE			
Approved by			Title	Dat	te		
Conditions of approval, if any, are attache certify that the applicant holds legal or eq which would entitle the applicant to conductive to conductive the applicant the applicant to conductive the applicant to conduct the applicant to conductive the appl	d. Approval of this notice does not wa uitable title to those rights in the subject	rrant or	Office				

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1242, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM PERMIT STATEMENT OF BASIS

Applicant: Newfield Production Company	Well:	Federal 15-19-9-16
Location: 19/9S/16E	API:	43-013-33162

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 325 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,868 feet. A cement bond log demonstrates adequate bond in this well up to about 3,014 feet. A 2 7/8 inch tubing with a packer will be set at 4,489 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 10 producing wells and 1 shut-in well in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. There is also 1 approved surface location outside the AOR, from which a well will be directionally drilled to a bottom hole location inside the AOR. All of the wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 2500 feet. Injection shall be limited to the interval between 3,859 feet and 5,830 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 15-19-9-16 well is 0.86 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,901 psig. The requested maximum pressure is 1,901 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Federal 15-19-9-16 page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s)	Mark Reinbold	Date 4/10/2012
1(0)10)1(0)	Mulk Relifector	

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-390

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, 24, 25, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 6, 13, 19, 22, 24, AND 27, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

- Ashley Federal 12-23-9-15 well located in NW/4 SW/4, Section 23, Township 9 South, Range 15 East API 43-013-32830
- Ashley Federal 10-24R-9-15 well located in NW/4 SE/4, Section 24, Township 9 South, Range 15 East API 43-013-15781
- Ashley Federal 14-24-9-15 well located in SE/4 SW/4, Section 24, Township 9 South, Range 15 East API 43-013-32821
- Ashley Federal 16-24-9-15 well located in SE/4 SE/4, Section 24, Township 9 South, Range 15 East API 43-013-32944
- Ashley Federal 4-25-9-15 well located in NW/4 NW/4, Section 25, Township 9 South, Range 15 East API 43-013-32884
- Ashley Federal 4-26-9-15 well located in NW/4 NW/4, Section 26, Township 9 South, Range 15 East API 43-013-32900
- Monument Federal 33-6-9-16Y well located in NW/4 SE/4, Section 6, Township 9 South, Range 16 East API 43-013-31589
- Federal 11-13-9-16 well located in NE/4 SW/4, Section 13, Township 9 South, Range 16 East API 43-013-32652
- Federal 15-19-9-16 well located in SW/4 SE/4, Section 19, Township 9 South, Range 16 East API 43-013-33162
- Federal 13-22-9-16 well located in SW/4 SW/4, Section 22, Township 9 South, Range 16 East API 43-013-33148
- Federal 7-24-9-16 well located in SW/4 NE/4, Section 24, Township 9 South, Range 16 East API 43-013-33085
- Federal 11-24-9-16 well located in NE/4 SW/4, Section 24, Township 9 South, Range 16 East API 43-013-33340
- Federal 3-27-9-16 well located in NE/4 NW/4, Section 27, Township 9 South, Range 16 East API 43-013-33352

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 10th day of April, 2012.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

Brad Hill

Permitting Manager

Newfield Production Company

ASHLEY FEDERAL 12-23-9-15, ASHLEY FEDERAL 10-24R-9-15, ASHLEY FEDERAL 14-24-9-15, ASHLEY FEDERAL 16-24-9-15, ASHLEY FEDERAL 4-25-9-15, ASHLEY FEDERAL 4-26-9-15, MONUMENT FEDERAL 33-6-9-16Y, FEDERAL 11-13-9-16, FEDERAL 15-19-9-16, FEDERAL 13-22-9-16, FEDERAL 17-24-9-16, FEDERAL 11-24-9-16, FEDERAL 3-27-9-16

Cause No. UIC-390

Publication Notices were sent to the following:

Newfield Production Company 1001 17th Street, Suite 2000 Denver, CO 80202

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066 via e-mail legals@ubstandard.com

Salt Lake Tribune P O Box 45838 Salt Lake City, UT 84145 via e-mail naclegal@mediaoneutah.com

Vernal Office Bureau of Land Management 170 South 500 East Vernal, UT 84078 Duchesne County Planning P O Box 317 Duchesne, UT 84021-0317

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Newfield Production Company Rt 3 Box 3630 Myton, UT 84052

Jon Sweet

From:

"Fultz, Mark" <naclegal@mediaoneutah.com>

To:

<jsweet@utah.gov> 4/11/2012 10:09 AM

Date: Subject:

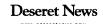
Legal Notice

Attachments: OrderConf.pdf

AD# 783810 Run Trib/DNews - 4/14 Cost \$293.96 Thank you Mark







Order Confirmation for Ad #0000783810-01

Client

DIV OF OIL-GAS & MINING

Payor Customer

DIV OF OIL-GAS & MINING

Client Phone

801-538-5340

Payor Phone

801-538-5340

Account#

Payor Account

Address

1594 W NORTH TEMP #1210.P.O. BOX 145801 Payor Address

SALT LAKE CITY, UT 84114 USA

1594 W NORTH TEMP #1210, P.O. BOX SALT LAKE CITY, UT 84114

Fax

801-359-3940

Jean

Ordered By

Acct. Exec

EMail

earlenerussell@utah.gov

Jean

mfultz

Total Amount

\$293.96

Payment Amt

\$0.00

Tear Sheets

Proofs

Affidavits

\$293.96 0

Amount Due Payment Method

PO Number

UIC-390

Confirmation Notes:

Text:

Ad Type

Ad Size

Color

Legal Liner

2.0 X 86 Li

<NONE>

Product

Placement

Legal Liner Notice - 0998

04/14/2012

Product Deseret News::

Salt Lake Tribune::

Scheduled Date(s):

Placement

Legal Liner Notice - 0998

Scheduled Date(s):

04/14/2012

Product

Placement

sltrib.com::

Legal Liner Notice - 0998

Scheduled Date(s):

04/14/2012

Product

utahlegals.com::

<u>Placement</u>

Scheduled Date(s):

utahlegals.com 04/14/2012

Position

Public Meeting/Hear-ing Notices

Position

Public Meeting/Hear-ing Notices

Public Meeting/Hear-ing Notices

Position

utahlegals.com

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-390

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, 24, 25, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 6, 13, 19, 22, 24, AND 27, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS. THE STATE OF UTAH 10 ALL PRESONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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townsmp y sourn, kange 10 bost API 43-013-33352

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Macager, or P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrative at the hearing how this matter affects their interests.

terests.
Dated this 10th day of April, 2012.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING

/s/ Brad Hill Permitting Manager 783810

UPAXLP



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 10, 2012

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune P. O. Box 45838 Salt Lake City, UT 84145

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-390

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: <u>jsweet@utah.gov</u>.

Please send proof of publication and billing for account #9001402352 to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

Executive Secretary

Enclosure



Jean Sweet - Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-390

From: Cindy Kleinfelter <classifieds@ubstandard.com>

To: Jean Sweet <jsweet@utah.gov>

Date: 4/12/2012 12:15 PM

Subject: Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-390

On 4/10/2012 1:40 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to: Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary Utah Div. of Oil, Gas & Mining 1594 West Temple, Suite 1210 Salt Lake City, UT 801-538-5329 jsweet@utah.gov

Hello. It will be in the April 17th edition. Thank you, Cindy



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

April 10, 2012

Via e-mail: legals@ubstandard.com

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-390

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Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

Executive Secretary

Jan Sweet

Enclosure

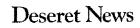


The Salt Lake Tribune 46+ 11414 CO.

CUSTOMER NAME AND ADDA



ACCOUNT NUMBER



PROOF OF PUBLICATION

CUSTOMER'S COPY

January 12, 2014

DATE

	DIV OF OIL-GAS & MINING	ر. برگرنگ	381140	9001402352	4/16/2012
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	MISC CHARGES		at :: * AD CHARG	API 43-013-33352 The proceeding will be conducted above PAIS-10 Administrative P	id in accordance with Utah
				Selected zones in the Green River water injection. The maximum re and rates will be determined bus formation submitted by Newfield	Formation will be used for equested injection pressures ed on fracture gradient in- Production Compony.
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		AFFIDAVIT OF	PUBLICATION	nules. Protestants and/or interve demonstrate at the hearing how terests. Dated this 10th day of April, 201	ners should be proposed to this matter affects their in-
	AGENCY COMPANY, LLC dba MEDIA			STATE OF UTAH DIVISION OF OIL, GAS & MINING	
CAUSE NO. UIC COMPANY, LLC ENGLISH LANGI NOTICE IS ALSO	DIVISION OF OIL, GAS AND MINING 390 IN THE MATTER OF THE APPL dba MEDIAONE OF UTAH, AGENT FO UAGE WITH GENERAL CIRCULATION D POSTED ON UTAHLEGALS.COM ON	LICA FOR <u>DIV OF O</u> OR THE SALT LAKE TR IN UTAH, AND PUBLI	L-GAS & MINING, WA IBUNE AND DESERET SHED IN SALT LAKE O	Ad remining monager N	UPAXLP
OTAPILEUALS,C	OM INDEFINATELY. Start 04/14/2012	End	04/14/2012	VIR	GINIA CRAFT
PUBLISHED ON	11 1			(Commi	ission # 581469

4/16/2012

SIGNATURE

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION" PLEASE PAY FROM BILLING STATEMENT 2250/REB CGUICA OMIN 16F12/6131 Send Payments to: Uintah Basin Standard 268 S 200 E Roosevelt, Utah 84066

Phone: 435-722-5131 Fax: 435-722-4140



EXPress www.vernal.com Invoice Number

Invoice Date

29586

4/17/2012

Advertiser No.

Invoice Amount

Due Date

2080

\$161.05

5/17/2012

DIVISION OF OIL GAS & MINING Rose Nolton 1594 W. N.TEMPLE STE 121 PO BOX 145801 SALT LAKE CITY, UT 84114-5801



1 1/2% fee will be charged to all past due balances.

Amount Enclosed

Please detach fop portion and return with your payment.

INVOICE

Uintah Basir	Standard	DIVISION OF OIL GAS & MINING Invoice I	No. 29586	4/17/2012
Date	Order	Description Ad Size SubTotal	Sales Tax	Amount
4/17/2012 14839	14839 U	BS UBS Legal Notice: Notice of Agency Action: Newfield UIC 390 Pub. April 17, 2012		\$161.05
		, was reported to	Sub Total:	\$161.05
		Total Transactions: 1	Total:	\$161.05

SUMMARY

Advertiser No.

2080

Invoice No.

29586

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!

2250 REE GODICAOMIN GF12 603

AFFIDAVIT OF PUBLICATION

County of Duchesne, STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for _____/ consecutive issues, and that the first publication was on the __/7 day of _____/, 20_/2__, and that the last publication of such notice was in the issue of such newspaper dated the __/7 day of ___/2__/, and that said notice was published on Utahlegals. com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Subscribed and sworn to before me on this

Subscribed and sworn to before me on this

by Kevin Ashby.

Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-390

BEFORE THE DI-VISION OF OIL, GAS AND MINING, DE-PARTMENT OF NAT-URAL RESOURCES, STATE OF UTAH.

IN THE MATTER OF THE APPLICA-TION OF NEW-FIELD PRODUC-TION COMPANY FOR ADMINISTRA-TIVE APPROVAL **OF CERTAIN WELLS** LOCATED IN SEC-TIONS 23, 24, 25, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SEC-TIONS 6, 13, 19, 22, 24, AND 27, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJEC-TION WELLS.

THE STATE OF UTAH TO ALL PER-SONS INTERESTED IN THE ABOVE EN-

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19, Township 9 South, Range 16 East

API 43-013-33162 Federal 13-22-9-16 well located in SW/4 SW/4, Section 22, Township 9 South, Range 16 East

API 43-013-33148 Federal 7-24-9-16 well located in SW/4 NE/4, Section 24, Township 9 South, Range 16 East

API 43-013-33085 Federal 11-24-9-16 well located in NE/4 SW/4, Section 24, Township 9 South, Range 16 East

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API 43-013-33352
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rate will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desir-ing to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT84114-5801, phone

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GARY R. HERBERT Governor

GREGORY S. BELL Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 3, 2012

Newfield Production Company 1001 Seventeenth Street, Suite 2000 Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 15-19-9-16, Section 19, Township 9 South, Range 16 East,

SLBM, Duchesne County, Utah, API Well # 43-013-33162

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

- 1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
- 2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
- 3. A casing\tubing pressure test shall be conducted prior to commencing injection.
- 4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
- 5. The top of the injection interval shall be limited to a depth no higher than 3,859 feet in the Federal 15-19-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely

John Rogers

Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency

Bureau of Land Management, Vernal

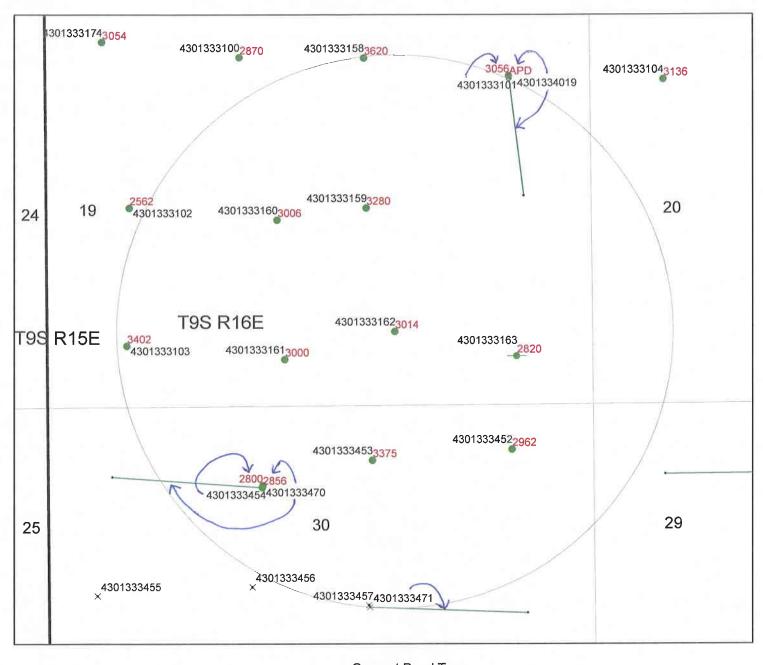
Duchesne County

Newfield Production Company, Myton

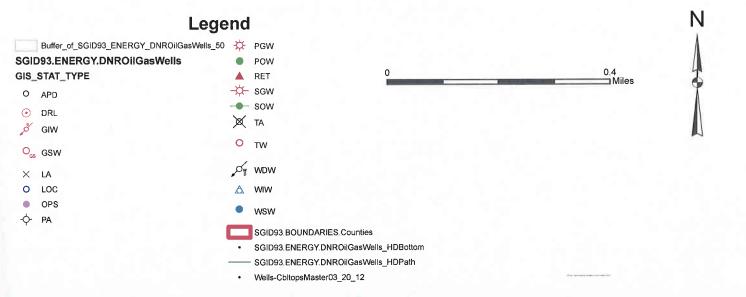
Well File

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Cement Bond Tops FEDERAL 15-19-9-16 API #43-013-33162 UIC 390.3





Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-390

Operator:

Newfield Production Company

Well:

Federal 15-19-9-16

Location:

Section 19, Township 9 South, Range 16 East

County:

Duchesne

API No.:

43-013-33162

Well Type:

Enhanced Recovery (waterflood)

Stipulations of Permit Approval

- 1. Approval for conversion to Injection Well issued on May 3, 2012.
- 2. Maximum Allowable Injection Pressure: 1,901 psig
- 3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
- 4. Injection Interval: Green River Formation (3,859' 5,830')
- 5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

John Roger

Associate Director

Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency

Bureau of Land Management, Vernal

Eric Sundberg, Newfield Production Company, Denver

Newfield Production Company, Myton

Duchesne County

Well File

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES			FORM 9			
ι	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391					
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
Do not use this form for pro current bottom-hole depth, r FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)					
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: FEDERAL 15-19-9-16			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013331620000			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT,		IONE NUMBER:	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE			
4. LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY: DUCHESNE			
0711 FSL 1888 FEL QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWSE Section: 1	STATE: UTAH					
11. CHECH	APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	T, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION					
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
Approximate date work will start.	✓ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION			
6/1/2012	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
DRILLING REPORT	L TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL			
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
	WILDCAT WELL DETERMINATION	OTHER	OTHER:			
	COMPLETED OPERATIONS. Clearly show all p		epths, volumes, etc.			
	<mark>las been converted from a pro</mark> 5/ <mark>30/2012</mark> . On 05/31/2012 Cl		Accepted by the Utah Division of			
State of Utah DOG	M was contacted concerning t	he initial MIT on the	Oil, Gas and Mining			
	n 06/01/2012 the casing was	·	Date: June 07, 2012			
	30 minutes with no pressure		Oll 113.00 8			
	test. The tubing pressure was		By:			
test. There was not	t a State representative availab	oie to withess the test				
NAME (DI EASE DOINT)	BUONE NUMBER	TITLE				
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician				
SIGNATURE N/A		DATE 6/6/2012				

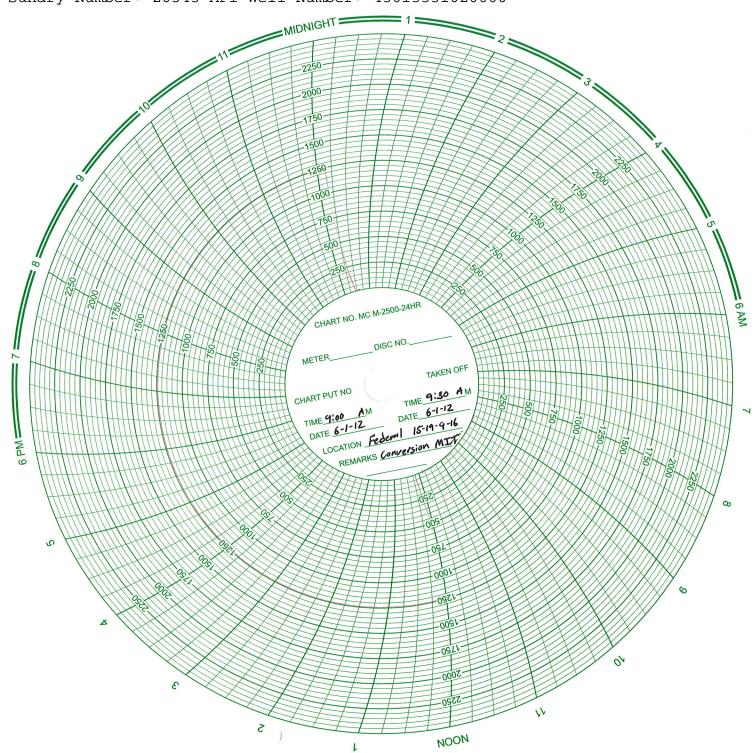
Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

Witness: Test Conducted bothers Present:	oy: <u>Michael Jense</u>		Time <u>9:00</u> @mpm
Well: Feleral Well Location:	15-19-9-16 Federal 15-19-9-16	Field: Mo/	nument Butte 01333162
	<u>Time</u>	Casing Pressure	
	0 min	1250	psig
	5	1250	psig
	10	1250	psig
	15	1250	psig
	20	1250	psig
	25	1250	psig
		1250	psig
	35		psig
	40		psig
	45		psig
	50		psig
	55		psig
	60 min		psig
	Tubing pressure:	200	psig
	Result:	Pass	Fail

Signature of Witness:

Signature of Person Conducting Test:



Page 1 of 5 Summary Rig Activity

Daily Activity Report

Format For Sundry FEDERAL 15-19-9-16 3/1/2012 To 7/30/2012

5/29/2012 Day: 3

Conversion

NC #3 on 5/29/2012 - Frac, flow well back, LD N-80 tbg. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. Good test. Unseat rod pump. TOH & LD w/ 77- 7/8 4-per, 132- 3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. RU VES to run gyro survey. RD VES. Cont to TOH breaking collars w/ 62- jts 2 7/8. Used 40 bbls water to keep tbg clean. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. Good test. Unseat rod pump. TOH & LD w/ 77- 7/8 4-per, 132-3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80jts 2 7/8. RU VES to run gyro survey. RD VES. Cont to TOH breaking collars w/ 62- jts 2 7/8. Used 40 bbls water to keep tbg clean. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csq @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. Good test. Unseat rod pump. TOH & LD w/ 77- 7/8 4-per, 132- 3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. RU VES to run gyro survey. RD VES. Cont to TOH breaking collars w/ 62- jts 2 7/8. Used 40 bbls water to keep tbg clean. SDFD. -Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. - Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. - Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- its 2 7/8, TA, 1- it 2 7/8, SN, 2- its 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- its 2 7/8. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. -Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back, Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr,

Summary Rig Activity

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TOH & LD w/ 77- 7/8 4-per, 132- 3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. RU VES to run gyro

Page 4 of 5 Summary Rig Activity

survey, RD VES, Cont to TOH breaking collars w/ 62- jts 2 7/8. Used 40 bbls water to keep tbg clean. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tba & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. Finalized

Daily Cost: \$0

Cumulative Cost: \$144,888

5/30/2012 Day: 4

Conversion

NC #3 on 5/30/2012 - Pressure test tbg & csg. - Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 25 bbls for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 60 bbls fresh water w/ pkr fluid down csg. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csg w/ 10 bbls fresh water w/ pkr fluid. Pressure test csq & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! - Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 25 bbls for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 60 bbls fresh water w/ pkr fluid down csg. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csq w/ 10 bbls fresh water w/ pkr fluid. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! - Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 25 bbls for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 60 bbls fresh water w/ pkr fluid down csq. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csg w/ 10 bbls fresh water w/ pkr fluid. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! - Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 25 bbls for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 60 bbls fresh water w/ pkr fluid down csg. ND wellhead, Set Pkr w/ 15000 tension. NU wellhead. Fill csg w/ 10 bbls fresh water w/ pkr fluid. Pressure test csq & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! Finalized

Daily Cost: \$0

Cumulative Cost: \$152,090

6/4/2012 Day: 5 Conversion

Rigless on 6/4/2012 - Conduct initial MIT - On 05/31/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/01/2012 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test. - On 05/31/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/01/2012 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test. - On 05/31/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/01/2012 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test. - On 05/31/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/01/2012 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test. Finalized

Daily Cost: \$0

Cumulative Cost: \$183,910

Sundry Number: 26543 API Well Number: 43013331620000 Summary Rig Activity

Page 5 of 5

Pertinent Files: Go to File List

STATE OF UTAH			FORM 9		
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391		
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: FEDERAL 15-19-9-16		
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013331620000		
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-4825	PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE		
4. LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY: DUCHESNE		
0711 FSL 1888 FEL QTR/QTR, SECTION, TOWNSI Qtr/Qtr: SWSE Section: 1	STATE: UTAH				
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION					
	ACIDIZE	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION		
6/1/2012	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
		J OTHER	OTHER: New Perfortations		
	WILDCAT WELL DETERMINATION	OTHER	·		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above subject well had new perforations added during a conversion. Attached are the schematic and Daily Activity report. The following perforations were added in the Green River Formation: D3 4626-4628' 3 JSPF 6 holes D2 4602-4605' 3 JSPF 9 holes FOR RECORD ONLY May 06, 2013					
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMB 435 646-4874	ER TITLE Water Services Technician			
SIGNATURE	433 040-4074	DATE			
N/A		5/6/2013			

TOC @ 166

Casing Shoe @ 325

FEDERAL 15-19-9-16

Spud Date: 10/29/07 Put on Production: 02/07/08 GL:6218' KB:6230'

Injection Wellbore Diagram

Packer @ 4476' EOT @ 4482'

4539-4553

4602-46053

4626-4628'

4753-4760'

4925-4933'

5180-5191

5424-5434*

PBTD @ 5830'

TD @ 5891'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312,36')
DEPTH LANDED: 324,84' KB
HOLE SIZE: 12-1/4"

CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15,5#

LENGTH: 136 jts. (5854,09') DEPTH LANDED: 5867,67' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ

TUBING

SIZE/GRADE/WT.; 2-7/8" / J-55 / 6,5# NO. OF JOINTS: 142 jts (4459.0') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4480.8' KB CE @ 4475.61'

TOTAL STRING LENGTH: EOT @ 4482,' KB

FRAC JOB 02/01/08 5424-5434' Frac CP1 sands as follows: 19731#20/40 sand in 327 bbls Lightning 17 frac fluid. Treated @ avg press of 1909 psi w/avg rate of 15.2 BPM. ISIP 2009 psi, Frac LODC sands as follows: 02/01/08 5180-5191* 29863# 20/40 sand in 404 bbl Lightning 17 frac fluid. Treated @ avg press of 2361 psi w/avg rate of 22.1 BPM. ISIP 2460 psi. 02/01/08 4925-4933' Frac A1 sands as follows: 15194# 20/40 sand in 274 bbls Lightning 17 frac fluid, Treated @ avg press of 2440 psi w/avg rate of 21.6 BPM, ISIP 2237 psi 02/01/08 4753-4760' Frac B.5 sands as follows: 25716# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated@ avg press of 2072 psi w/avg rate of 22.0 BPM. ISIP 2020 psi. 02/01/08 4539-4553 Frac D1 sands as follows: 46601# 20/40 sand in 439 bbls Lightning 17 frac fluid. Treated@ avg press of 1712 psi w/avg rate of 22.0 BPM, ISIP 1930 psi. 10/2/09 Tubing Leak, Updated rod &tubing detials. 06/28/11 Parted Rods. Rods & tubing updated. Frac D3 & D2 sands as follows: 05/29/12 4602-46263 18461# 20/40 sand in 292 bbls Lightning 17 05/30/12 Convert to Injection Well 06/01/12 Conversion MIT Finalized - update tbg

PERFORATION RECORD

5424-5434' 4 JSPF 40 holes 5180-5191' 4 JSPF 44 holes 4925-4933' 4 JSPF 32 holes 4753-4760' 4 JSPF 28 holes 4539-4553' 4 JSPF 56 holes 5-29-12 4602-4605' 3 JSPF 9 holes



FEDERAL 15-19-9-16

711' FSL & 1888' FEL SW/SE Section 19-T9S-R16E Duchesne Co, Utah

API #43-013-33162; Lease # UTU-74391

Daily Activity Report

Format For Sundry FEDERAL 15-19-9-16 3/1/2012 To 7/30/2012

5/29/2012 Day: 1

Conversion

NC #3 on 5/29/2012 - MIRUSU, TOH & LD rod string, TOH w/ tbg breaking collars. - Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. -Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. - Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. - Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. - Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. Good test. Unseat rod pump. TOH & LD w/ 77-7/8 4-per, 132- 3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. RU VES to run gyro survey. RD VES. Cont to TOH breaking collars w/ 62- jts 2 7/8. Used 40 bbls water to keep tbg clean. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csq @ 250. RD pumping unit. Unseat rod pump. Flush tbq & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. Good test. Unseat rod pump. TOH & LD w/ 77- 7/8 4-per, 132- 3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/80- jts 2 7/8. RU VES to run gyro survey, RD VES. Cont to TOH breaking collars w/ 62- jts 2 7/8. Used 40 bbls water to keep tbg clean. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. Good test. Unseat rod pump. TOH & LD w/ 77-7/8 4-per, 132- 3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. RU VES to run gyro survey. RD VES. Cont to TOH breaking collars w/ 62- jts 2 7/8. Used 40 bbls water to keep tbg clean. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. Good test. Unseat rod pump. TOH & LD w/ 77- 7/8 4-per, 132- 3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. RU VES to run gyro

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TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2

4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. - Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. - Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. - Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2jts 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. Good test. Unseat rod pump. TOH & LD w/ 77- 7/8 4-per, 132- 3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU riq floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. RU VES to run gyro survey. RD VES. Cont to TOH breaking collars w/ 62- jts 2 7/8. Used 40 bbls water to keep tbg clean. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. Good test. Unseat rod pump. TOH & LD w/ 77- 7/8 4-per, 132- 3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. RU VES to run gyro survey. RD VES. Cont to TOH breaking collars w/ 62- jts 2 7/8. Used 40 bbls water to keep tbg clean. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. Good test. Unseat rod pump. TOH & LD w/ 77- 7/8 4-per, 132- 3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- jts 2 7/8. RU VES to run gyro survey. RD VES. Cont to TOH breaking collars w/ 62- jts 2 7/8. Used 40 bbls water to keep tbg clean. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. RD pumping unit. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 10 bbls water. Good test. Unseat rod pump. TOH & LD w/ 77-7/8 4-per, 132- 3/4 4-per, 6- 1 1/2 wt bars w/ stabilizers, rod pump. X- over to tbg eq. ND wellhead. Release TA. NU BOP. RU rig floor. TOH breaking collars, inspecting pins & applying liquid o-ring w/ 80- its 2 7/8. RU VES to run gyro survey. RD VES. Cont to TOH breaking collars w/ 62- jts 2 7/8. Used 40 bbls water to keep tbg clean. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. - Set Pkr. RU Baker Huges to frac D-3 4626'-28', D2 4602'-05. RD Baker Huges. Open well to flow back. Well flowed for 30 minutes. Release Pkr & CWC. TIH w/ tbg & latch onto Plg. Release Plg. TOH & LD w/ 149- jts 2 7/8 N-

80, Pkr, & Plg. PU TIH w/ 2 3/8 SN, Arrowset Pkr, on off tool, & 142- jts 2 7/8. SDFD. - Flush tbg w/ 20 bbls water @ 250. TOH & LD w/ 30- jts 2 7/8, TA, 1- jt 2 7/8, SN, 2- jts 2 7/8, NC. RU Extreme wireline. Perforate D-3 4626'-28', D2- 4602'-05'. RD Extreme wireline. PU TIH w/ Plg & Pkr combo, 149- jts 2 7/8 (n-80). Set Plg @ 4679', & Pkr @ 4580. RU hot oil truck to break down new perfs. Perfs broke @ 4800 psi. Release Pkr. SDFD. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$12,548

5/30/2012 Day: 4

Conversion

NC #3 on 5/30/2012 - Pressure test tbg & csg. - Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 25 bbls for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline, RD rig floor, ND BOP, NU wellhead, Pump 60 bbls fresh water w/ pkr fluid down csg. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csg w/ 10 bbls fresh water w/ pkr fluid. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! - Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 25 bbls for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 60 bbls fresh water w/ pkr fluid down csg. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csg w/ 10 bbls fresh water w/ pkr fluid. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! - Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 25 bbls for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 60 bbls fresh water w/ pkr fluid down csq. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csq w/ 10 bbls fresh water w/ pkr fluid. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! - Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 25 bbls for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 60 bbls fresh water w/ pkr fluid down csg. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csq w/ 10 bbls fresh water w/ pkr fluid. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! Finalized

Daily Cost: \$0

Cumulative Cost: \$152,090

6/6/2012 Day: 5 Conversion

Rigless on 6/6/2012 - Conduct initial MIT - On 05/31/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/01/201 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test. - On 05/31/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/01/201 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test. - On 05/31/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/01/201 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test. - On 05/31/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/01/201 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not a State representative available to witness the test. Finalized

Daily Cost: \$0

Cumulative Cost: \$183,910

Pertinent Files: Go to File List

Sundry Number: 47745 API Well Number: 43013331620000

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES			
[5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391		
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	7.UNIT OF CA AGREEMENT NAME: GMBU (GRRV)		
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: FEDERAL 15-19-9-16		
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY			9. API NUMBER: 43013331620000
3. ADDRESS OF OPERATOR: PHONE NUMBER: Rt 3 Box 3630 , Myton, UT, 84052 435 646-4825 Ext			9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0711 FSL 1888 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWSE Section: 1	STATE: UTAH		
11. CHECI	CAPPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	☐ ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	✓ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
1/31/2014	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
No.	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
42 DECCRIPE PROPOSED OR	ti kan salah kan manan ti tang manan m	enember 1981 in terminon make tration in monant make tration in the second seco	3 consistente e e e e e e e e e e e e e e e e e
	COMPLETED OPERATIONS. Clearly show a Prence well was put on injec		Accepted by the
1110 00010 1010	01/31/2014.	11011 at 0.00 7 th 011	Utah Division of
			Oil, Gas and Mining
			Date: February 12, 2014
			By: Laggell
			33
	40 may 1000 maganing magang panaghiya men magang ang maganing mengang mengang pang pang pang magang pang magan	ezzetkikko ir iniskam yang ayang shikifikiri i mikang ayang milihikim mananting manasan sanarah kahang pinakan iniskam ang adalah sanarah sanarah.	
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMB 435 646-4874	ER TITLE Water Services Technician	
SIGNATURE N/A	The state of the s	DATE 2/10/2014	те подделения на природнения не подделения до под под под под под под под под под